

1 MEMGRIHSELNRAPSDVKELALDNRSECKLEALTDFEELEFLSKINGGLTSIDL 60

Db 1 MEMGRIHLELRNTPSDVKELVLDNSRNEGKLEGLTDFEELFSTINVGLTSIANL 60
Qy 61 PKL-KLRKLEL---RVSGGLEVLAEKCPNLTHLYLSGNKIKDLSSTIEPLKOLENLSL 116
Db 61 PKLKLKLELSDNRVSGGLEVLAEKCPNLTHLNSGNKIKDLSSTIEPLKLENLSL 120
Qy 117 FNCVNTLNNDYGNVFKLLQLTYLDSQYWDHKEAPYSDIEDHVEGLDDEEHEEYD 176
Db 121 FNCVNTLNNDYGNVFKLLQLTYLDSQYWDHKEAPYSDIEDHVEGLDDEEHEEYD 180
Qy 177 EDAQVVEDEEHEEHEEHEEHEEHEEHEEHEEHEEHEEHEEHEEHEEHEEHEE 234
Db 181 EDAQVVEDEEHEEHEEHEEHEEHEEHEEHEEHEEHEEHEEHEEHEEHEEHEE 238

RESULT 2
US-08-314-503A-2
; Sequence 2, Application US/08314503A
; Patent No. 5734022
; GENERAL INFORMATION:
; APPLICANT: Pasternack, Gary R.
; APPLICANT: Kuhajda, Francis P.
; TITLE OF INVENTION: No. 5734022el Mammalian Protein Associated With
; TITLE OF INVENTION: Uncontrolled Cell Division
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Banner, Birch, McKie & Beckett
; STREET: 1001 G Street, N.W.
; CITY: Washington, D.C.
; STATE: District of Columbia
; COUNTRY: U.S.A.
; ZIP: 20001
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/314,503A
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Posorske Esq., Laurence H.
; REGISTRATION NUMBER: 34,698
; REFERENCE/DOCKET NUMBER: 1107.47218
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202 508-9153
; TELEFAX: 202 508-9299
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 249 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-314-503A-2

Query Match 82.3%; Score 1001; DB 1; Length 249;
Best Local Similarity 86.1%; Pred. No. 4.1e-88;
Matches 205; Conservative 7; Mismatches 22; Indels 4; Gaps 2;
Qy 1 MEMGRIHLELRNTPSDVKELVLDNSRNEGKLEGLTDFEELFSTINVGLTSIANL 60
Db 1 MEMGRIHLELRNTPSDVKELVLDNSRNEGKLEGLTDFEELFSTINVGLTSIANL 60
Qy 61 PKL-KLRKLEL---RVSGGLEVLAEKCPNLTHLYLSGNKIKDLSSTIEPLKOLENLSL 116
Db 61 PKLKLKLELSDNRVSGGLEVLAEKCPNLTHLNSGNKIKDLSSTIEPLKLENLSL 120
Qy 117 FNCVNTLNNDYGNVFKLLQLTYLDSQYWDHKEAPYSDIEDHVEGLDDEEHEEYD 176
Db 121 FNCVNTLNNDYGNVFKLLQLTYLDSQYWDHKEAPYSDIEDHVEGLDDEEHEEYD 180
Qy 177 EDAQVVEDEEHEEHEEHEEHEEHEEHEEHEEHEEHEEHEEHEEHEEHEEHEE 234

Db 181 EDAQVVEDEEHEEHEEHEEHEEHEEHEEHEEHEEHEEHEEHEEHEEHEEHEE 238
RESULT 3
US-08-468-066-2
; Sequence 2, Application US/08468066
; Patent No. 5756676
; GENERAL INFORMATION:
; APPLICANT: Pasternack, Gary R.
; APPLICANT: Kuhajda, Francis P.
; TITLE OF INVENTION: No. 5756676el Mammalian Protein Associated With
; TITLE OF INVENTION: Uncontrolled Cell Division
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Banner, Birch, McKie & Beckett
; STREET: 1001 G Street, N.W.
; CITY: Washington, D.C.
; STATE: District of Columbia
; COUNTRY: U.S.A.
; ZIP: 20001
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/468,066
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/314,503
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Posorske Esq., Laurence H.
; REGISTRATION NUMBER: 34,698
; REFERENCE/DOCKET NUMBER: 1107.47218
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202 508-9153
; TELEFAX: 202 508-9299
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 249 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-468-066-2

Query Match 82.3%; Score 1001; DB 1; Length 249;
Best Local Similarity 86.1%; Pred. No. 4.1e-88;
Matches 205; Conservative 7; Mismatches 22; Indels 4; Gaps 2;
Qy 1 MEMGRIHLELRNTPSDVKELVLDNSRNEGKLEGLTDFEELFSTINVGLTSIANL 60
Db 1 MEMGRIHLELRNTPSDVKELVLDNSRNEGKLEGLTDFEELFSTINVGLTSIANL 60
Qy 61 PKL-KLRKLEL---RVSGGLEVLAEKCPNLTHLYLSGNKIKDLSSTIEPLKOLENLSL 116
Db 61 PKLKLKLELSDNRVSGGLEVLAEKCPNLTHLNSGNKIKDLSSTIEPLKLENLSL 120
Qy 117 FNCVNTLNNDYGNVFKLLQLTYLDSQYWDHKEAPYSDIEDHVEGLDDEEHEEYD 176
Db 121 FNCVNTLNNDYGNVFKLLQLTYLDSQYWDHKEAPYSDIEDHVEGLDDEEHEEYD 180
Qy 177 EDAQVVEDEEHEEHEEHEEHEEHEEHEEHEEHEEHEEHEEHEEHEEHEEHEE 234
Db 181 EDAQVVEDEEHEEHEEHEEHEEHEEHEEHEEHEEHEEHEEHEEHEEHEEHEE 238
RESULT 4
US-08-466-717-2
; Sequence 2, Application US/08466717
; Patent No. 5874234

GENERAL INFORMATION:
APPLICANT: Pasternack, Gary R.
APPLICANT: Kuhaida, Francis P.
TITLE OF INVENTION: No. 5874234el Mammalian Protein Associated With
TITLE OF INVENTION: Uncontrolled Cell Division
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: Banner, Birch, McKie & Beckett
STREET: 1001 G Street, N.W.
CITY: Washington, D.C.
STATE: District of Columbia
COUNTRY: U.S.A.
ZIP: 20001
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
FILING DATE: 06-JUN-1995
PRIORITY APPLICATION NUMBER: US/08/466,717
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/314,503
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Posorske Esq., Laurence H.
REGISTRATION NUMBER: 34,698
REFERENCE/DOCKET NUMBER: 1107.47218
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202 508-9153
TELEFAX: 202 508-9299
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 249 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-466-717-2

Query Match 82.3%; Score 1001; DB 2; Length 249;
Best Local Similarity 86.1%; Pred. No. 4.1e-88;
Matches 205; Conservative 7; Mismatches 22; Indels 4; Gaps 2;

QY 1 MEMGRIHSLRNAPSDVKELALDLSRSNEGKLEALTDFEELFELSKINGGLTSIDL 60
DB 1 MEMGRIHSLRNAPSDVKELALDLSRSNEGKLEALTDFEELFELSKINGGLTSIDL 60
QY 61 PKL-KLRKLEL---RVSGGLEVLAEKCPNLTHTLYLGNKIKDLSLTPPLKQLENKSLDL 116
DB 61 PKLKLKLELSDNRVSGGLEVLAEKCPNLTHTLYLGNKIKDLSLTPPLKQLENKSLDL 120
QY 117 FNCVNTLNNDYGNVFKLLQLTYLDSYWDHKEAPYSIDEDHVEGLDDEEHEEYD 176
DB 121 FNCVNTLNNDYGNVFKLLQLTYLDSYWDHKEAPYSIDEDHVEGLDDEEHEEYD 180
QY 177 EDAQVVEDE 234
DB 181 EDAQVVEDE 238

RESULT 5
US-08-766-738-4
Sequence 4, Application US/08766738
Patent No. 5916749
GENERAL INFORMATION:
APPLICANT: Bandman, Olga
APPLICANT: Goli, Surya K.
TITLE OF INVENTION: NOVEL HUMAN PHOSPHATASE INHIBITOR PROTEIN
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: Incyte Pharmaceuticals, Inc.
STREET: 3174 Porter Drive

CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/766,738
FILING DATE: Herewith
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J.
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-0177 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555
TELEFAX: 415-845-4166
TELEX:
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 249 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: GenBank
CLONE: 403007
US-08-766-738-4

Query Match 82.3%; Score 1001; DB 2; Length 249;
Best Local Similarity 86.1%; Pred. No. 4.1e-88;
Matches 205; Conservative 7; Mismatches 22; Indels 4; Gaps 2;

QY 1 MEMGRIHSLRNAPSDVKELALDLSRSNEGKLEALTDFEELFELSKINGGLTSIDL 60
DB 1 MEMGRIHSLRNAPSDVKELALDLSRSNEGKLEALTDFEELFELSKINGGLTSIDL 60
QY 61 PKL-KLRKLEL---RVSGGLEVLAEKCPNLTHTLYLGNKIKDLSLTPPLKQLENKSLDL 116
DB 61 PKLKLKLELSDNRVSGGLEVLAEKCPNLTHTLYLGNKIKDLSLTPPLKQLENKSLDL 120
QY 117 FNCVNTLNNDYGNVFKLLQLTYLDSYWDHKEAPYSIDEDHVEGLDDEEHEEYD 176
DB 121 FNCVNTLNNDYGNVFKLLQLTYLDSYWDHKEAPYSIDEDHVEGLDDEEHEEYD 180
QY 177 EDAQVVEDE 234
DB 181 EDAQVVEDE 238

RESULT 6
US-08-466-743-2
Sequence 2, Application US/08466743
Patent No. 6040173
GENERAL INFORMATION:
APPLICANT: Pasternack, Gary R.
APPLICANT: Kuhaida, Francis P.
TITLE OF INVENTION: No. 6040173el Mammalian Protein Associated With
TITLE OF INVENTION: Uncontrolled Cell Division
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: Banner, Birch, McKie & Beckett
STREET: 1001 G Street, N.W.
CITY: Washington, D.C.
STATE: District of Columbia
COUNTRY: U.S.A.
ZIP: 20001

REGISTRATION NUMBER: 19,090
REFERENCE/DOCKET NUMBER: 1107.51507
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202 508-9153
TELEFAX: 202 508-9299
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 249 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
PCT-US95-12414-2

Query Match 82.3%; Score 1001; DB 5; Length 249;
Best Local Similarity 86.1%; Pred. No. 4.1e-88;
Matches 205; Conservative 7; Mismatches 22; Indels 4; Gaps 2;

QY 1 MEMGRIHSELNRAPSDVKELALDNRSGKLEALTFEFEFLSKINGSLTISDL 60
DB 1 MEMGRIHSELNRTPSDVKELVLDNRSGKLEGLTFEFEFLSTINVLTSIALL 60
QY 61 PKL-KLRKLEL---RVSGGLEVLAEKCPNLTHYLISGKIKDLSIEPLKLENLKSIDL 116
DB 61 PKLNLKLELSDNRVSGGLEVLAEKCPNLTHYLISGKIKDLSIEPLKLENLKSIDL 120
QY 117 FNCVETNLNDYGENVPKLLQLTYLDSYWDHKEAPYSIDIEHVEGLDDEEGEREYD 176
DB 121 FNCVETNLNDYGENVPKLLPOLTYLDGYDRDKAEAPSDAEAGVVEGLDDEEGEREYD 180
QY 177 EDAQVVEDEGEDEEEDVSGGDEDEGNDGVDGDEDEEELGEERGGQK 234
DB 181 EDAQVVEDEGEDEEEDVSGGDEDEGNDGVDGDEDEEELGEERGGQK 238

RESULT 9

US-08-766-738-3
Sequence 3, Application US/08766738
Patent No. 5916749

GENERAL INFORMATION:
APPLICANT: Bandman, Olga
APPLICANT: Goli, Surya K.
TITLE OF INVENTION: NOVEL HUMAN PHOSPHATASE INHIBITOR PROTEIN
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: Incyte Pharmaceuticals, Inc.
STREET: 3174 Porter Drive
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94304

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/766,738
FILING DATE: Herewith
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J.
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-0177 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555
TELEFAX: 415-845-4166
TELEX:
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 251 amino acids

TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: GenBank
CLONE: 1498225
US-08-766-738-3

Query Match 56.2%; Score 683.5; DB 2; Length 251;
Best Local Similarity 61.0%; Pred. No. 1.1e-57;
Matches 152; Conservative 34; Mismatches 40; Indels 23; Gaps 8;

QY 1 MEMGRIHSELNRAPSDVKELALDNRSGKLEALTFEFEFLSKINGSLTISDL 60
DB 1 MEMGRIHSELNRTPAAVREIVLDNCKSNQKIGLTAEFVNLFTSLINVLISVNL 60
QY 61 PKL-KLRKLEL---RVSGGLEVLAEKCPNLTHYLISGKIKDLSIEPLKLENLKSIDL 116
DB 61 PKLPLKLELSENRIPOGLDMLAEKPLNLTNLNLSGKIKDLSIEPLKLECLKSIDL 120
QY 117 FNCVETNLNDYGENVPKLLQLTYLDSYWDHKEAPYSIDIEHVEGLDDEEGERH 175
DB 121 FNCVETNLNDYRESVFKLLPOLTYLDGYDRDQAPSDAE--VGVDEEEDERGEDEE 178
QY 176 EDAQVVEDEGEDEE---EEGESEEDVSG-----GDEDEEGYNDGVDGDEEELG 225
DB 179 EDE-----DEGESEEDFEDEDEDEVDGDEDEDEVESEEEFGLDDEDEDEE-E 232
QY 226 EEEGQK 234
DB 233 EGGK 241

RESULT 10

US-09-262-610-3
Sequence 3, Application US/09262610
Patent No. 6428949

GENERAL INFORMATION:
APPLICANT: Bandman, Olga
APPLICANT: Goli, Surya K.
TITLE OF INVENTION: NOVEL HUMAN PHOSPHATASE INHIBITOR PROTEIN
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: Incyte Pharmaceuticals, Inc.
STREET: 3174 Porter Drive
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94304

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/262,610
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/766,738
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J.
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-0177 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555
TELEFAX: 415-845-4166
TELEX:
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 251 amino acids
TYPE: amino acid

STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: GenBank
; CLONE: 1498225
US-09-262-610-3

Query Match 56.2%; Score 683.5; DB 4; Length 251;
Best Local Similarity 61.0%; Pred. No. 1.1e-57;
Matches 152; Conservative 34; Mismatches 40; Indels 23; Gaps 8;

QY 1 MEMGRRHSELNRAPSDVKELALDNRSGKLEALTDPEEFLEFLSKINGGLTISDL 60
DB 1 MDKRRHLELRNRTPAAVRELVDNCKNSDKGTEGLTAFVNLFLINVLISVSNL 60
QY 61 PKL-KLKLKL---RVSGGLEVLAEKCPNLTLYLSGNKIKDLSLTIPLKOLENLSLDL 116
DB 61 PKLPKGLKLELSENRIFGGDLMLAEKLPNLTHTLNLGNKIKDLSLTIPLKLECLKSLDL 120
QY 117 FNCVNTNLNDYGENVFKLLQLTLYLDSQYWDHKEAPYSDIEDHVEGLDDEEGEHEEY 175
DB 121 FNCVNTNLNDYRESVFKLLPQLTLYLDGYDREDAE--VDGVDEEEDDEE 178
QY 176 DEDAQVVEDEGEHEE---EEGEEDVSG-----GDEDEGYNDGVDGEDEEELG 225
DB 179 DED-----DEGEHEEFDDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEE-E 232
QY 226 EEEGQKRX 234
DB 233 EGGKEXKX 241

RESULT 11
US-08-766-738-1
; Sequence 1, Application US/08766738
; Patent No. 5915749
; GENERAL INFORMATION:
; APPLICANT: Bandman, Olga
; APPLICANT: Goli, Surya K.
; TITLE OF INVENTION: NOVEL HUMAN PHOSPHATASE INHIBITOR PROTEIN
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/766,738
; FILING DATE: Herewith
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0177 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-855-0555
; TELEFAX: 415-845-4166
; TELEX:
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 251 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear

STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: Consensus
; CLONE: 1813361
US-08-766-738-1

Query Match 55.6%; Score 676.5; DB 2; Length 251;
Best Local Similarity 60.6%; Pred. No. 5.2e-57;
Matches 151; Conservative 34; Mismatches 41; Indels 23; Gaps 8;

QY 1 MEMGRRHSELNRAPSDVKELALDNRSGKLEALTDPEEFLEFLSKINGGLTISDL 60
DB 1 MDKRRHLELRNRTPAAVRELVDNCKNSDKGTEGLTAFVNLFLINVLISVSNL 60
QY 61 PKL-KLKLKL---RVSGGLEVLAEKCPNLTLYLSGNKIKDLSLTIPLKOLENLSLDL 116
DB 61 PKLPKGLKLELSENRIFGGDLMLAEKLPNLTHTLNLGNKIKDLSLTIPLKLECLKSLDL 120
QY 117 FNCVNTNLNDYGENVFKLLQLTLYLDSQYWDHKEAPYSDIEDHVEGLDDEEGEHEEY 175
DB 121 FNCVNTNLNDYRESVFKLLPQLTLYLDGYDREDAE--VDGVDEEEDDEE 178
QY 176 DEDAQVVEDEGEHEE---EEGEEDVSG-----GDEDEGYNDGVDGEDEEELG 225
DB 179 DED-----DEGEHEEFDDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEE-E 232
QY 226 EEEGQKRX 234
DB 233 EGGKEXKX 241

RESULT 12
US-09-262-610-1
; Sequence 1, Application US/09262610
; Patent No. 6428949
; GENERAL INFORMATION:
; APPLICANT: Bandman, Olga
; APPLICANT: Goli, Surya K.
; TITLE OF INVENTION: NOVEL HUMAN PHOSPHATASE INHIBITOR PROTEIN
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/262,610
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/766,738
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0177 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-855-0555
; TELEFAX: 415-845-4166
; TELEX:
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 251 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear

Db 119 VEDEEEVEEEEGEEEDVSGEEDEEEGYNDGEVDDEDEERAGEEGSQKRK 171

RESULT 15

US-08-468-066-5
Sequence 5, Application US/08468066
Patent No. 5756676
GENERAL INFORMATION:
APPLICANT: Pasternack, Gary R.
APPLICANT: Kuhajda, Francis P.
TITLE OF INVENTION: No. 5756676el Mammalian Protein Associated With
TITLE OF INVENTION: Uncontrolled Cell Division
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: Banner, Birch, McKie & Beckett
STREET: 1001 G Street, N.W.
CITY: Washington, D.C.
STATE: District of Columbia
COUNTRY: U.S.A.
ZIP: 20001
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/468,066
FILING DATE: 06-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/314,503
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Posorske Esq., Laurence H.
REGISTRATION NUMBER: 34,698
REFERENCE/DOCKET NUMBER: 1107.47218
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202 508-9153
TELEFAX: 202 508-9299
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 182 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-468-066-5

| | | | | | |
|----|---|--------|--------------------|-----------|-------------|
| | Query Match | 53.3% | Score 648.5; | DB 1; | Length 182; |
| | Best Local Similarity | 77.5%; | Pred. No. 1.6e-54; | | |
| | Matches 134; Conservative | 11; | Mismatches 23; | Indels 5; | Gaps 2; |
| Qy | 65 LRKLEL---SVSGGLEVLAKCPNLTHLYLSGNKKIKDLSTIEPKULENKLSDLFNCV | 121 | : | : | : |
| Dd | 1 VKXLESENISGLVEVLAKCPNLHNLISGNNKI KDLSTIEPKULENKLSDLFNCV | 60 | : | : | : |
| Qy | 122 TNLNDYGENVF KLILQLTYLDSCYWDHKRAPYSIDIEHFVEDGDDEEAGEHEEEYDDAQV | 181 | : | : | : |
| Dd | 61 TNLNAYENVF KLIPQMYYLDGYDRDNKEAPSDSVEGVYE--DDDEDEDDEEYDEYAQL | 118 | : | : | : |
| Qy | 182 VEDEEGREEBEEGEEDPVSNGDEEDREGYNDSVDGEDDEFEELGEERGGQRK | 234 | : | : | : |
| Dd | 119 VEDEEVREBEEGEEDPVSNEEBEDRGYNDSVDGEDDEFEAGRGGSQRRK | 171 | : | : | : |

Search completed: June 24, 2004, 10:54:58
Job time : 16.9876 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: June 24, 2004, 10:39:01 ; Search time 17.0124 Seconds
(without alignments)
755.616 Million cell updates/sec

Title: US-09-591-500A-5
Perfect score: 1288
Sequence: 1 MEMGRIHLELRNTPSDVK.....EEERCQKKEPEDEGEDDD 249

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA*
1: /cgn2_6/ptodata/2/iaa/5A_COMB.pep:*
2: /cgn2_6/ptodata/2/iaa/5B_COMB.pep:*
3: /cgn2_6/ptodata/2/iaa/6A_COMB.pep:*
4: /cgn2_6/ptodata/2/iaa/6B_COMB.pep:*
5: /cgn2_6/ptodata/2/iaa/6C_COMB.pep:*
6: /cgn2_6/ptodata/2/iaa/6D_COMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | DB ID | Description |
|------------|-------|-------------|--------|--------------------|-------------------|
| 1 | 1288 | 100.0 | 249 | 1 US-08-466-603-2 | Sequence 2, Appli |
| 2 | 1288 | 100.0 | 249 | 1 US-08-314-503A-2 | Sequence 2, Appli |
| 3 | 1288 | 100.0 | 249 | 1 US-08-468-066-2 | Sequence 2, Appli |
| 4 | 1288 | 100.0 | 249 | 2 US-08-466-717-2 | Sequence 2, Appli |
| 5 | 1288 | 100.0 | 249 | 2 US-08-466-738-4 | Sequence 2, Appli |
| 6 | 1288 | 100.0 | 249 | 3 US-08-466-743-2 | Sequence 2, Appli |
| 7 | 1288 | 100.0 | 249 | 4 US-09-262-610-4 | Sequence 2, Appli |
| 8 | 1288 | 100.0 | 249 | 5 PCT-US95-12414-2 | Sequence 2, Appli |
| 9 | 897.5 | 69.7 | 251 | 4 US-08-766-738-3 | Sequence 3, Appli |
| 10 | 897.5 | 69.7 | 251 | 4 US-09-262-610-3 | Sequence 3, Appli |
| 11 | 880.5 | 68.4 | 251 | 2 US-08-766-738-1 | Sequence 1, Appli |
| 12 | 880.5 | 68.4 | 251 | 4 US-09-262-610-1 | Sequence 1, Appli |
| 13 | 843 | 65.5 | 182 | 1 US-08-466-603-5 | Sequence 5, Appli |
| 14 | 843 | 65.5 | 182 | 1 US-08-314-503A-5 | Sequence 5, Appli |
| 15 | 843 | 65.5 | 182 | 1 US-08-468-066-5 | Sequence 5, Appli |
| 16 | 843 | 65.5 | 182 | 2 US-08-466-717-5 | Sequence 5, Appli |
| 17 | 843 | 65.5 | 182 | 3 US-08-466-743-5 | Sequence 5, Appli |
| 18 | 843 | 65.5 | 182 | 5 PCT-US95-12414-5 | Sequence 5, Appli |
| 19 | 216 | 16.8 | 1162 | 2 US-08-728-323A-2 | Sequence 2, Appli |
| 20 | 216 | 16.8 | 1162 | 4 US-09-298-568-2 | Sequence 2, Appli |
| 21 | 216 | 16.8 | 1162 | 4 US-09-410-399-2 | Sequence 2, Appli |
| 22 | 197.5 | 15.3 | 905 | 2 US-08-574-959A-9 | Sequence 9, Appli |
| 23 | 197.5 | 15.3 | 905 | 3 US-09-357-014-9 | Sequence 9, Appli |
| 24 | 197.5 | 15.3 | 1135 | 2 US-08-574-959A-7 | Sequence 7, Appli |
| 25 | 197.5 | 15.3 | 1135 | 3 US-09-357-014-7 | Sequence 7, Appli |
| 26 | 188.5 | 14.6 | 279 | 4 US-09-699-266A-7 | Sequence 7, Appli |
| 27 | 182.5 | 14.2 | 764 | 1 US-08-375-300-4 | Sequence 4, Appli |

28 182.5 14.2 764 3 US-09-177-431-4 Sequence 4, Appli
29 182.5 14.2 764 5 PCT-US95-16930-4 Sequence 4, Appli
30 182.5 14.2 1089 1 US-08-375-300-2 Sequence 2, Appli
31 182.5 14.2 1089 3 US-09-177-431-2 Sequence 2, Appli
32 182.5 14.2 1089 5 PCT-US95-16930-2 Sequence 2, Appli
33 174 13.5 714 2 US-08-990-114-3 Sequence 3, Appli
34 174 13.5 714 4 US-09-241-333-3 Sequence 3, Appli
35 168 13.0 1504 4 US-09-364-206-2 Sequence 2, Appli
36 162 12.6 411 2 US-08-741-134-6 Sequence 5, Appli
37 161.5 12.5 740 1 US-08-257-073-5 Sequence 67, Appli
38 158 12.3 764 4 US-09-370-838-67 Sequence 5, Appli
39 156 12.1 740 3 US-09-022-983-5 Sequence 194, App
40 155.5 12.1 231 3 US-09-461-697-194 Sequence 192, App
41 155.5 12.1 232 3 US-09-461-697-192 Sequence 190, App
42 155.5 12.1 238 3 US-09-461-697-190 Sequence 188, App
43 155.5 12.1 257 3 US-09-461-697-188 Sequence 186, App
44 155.5 12.1 272 3 US-09-461-697-186 Sequence 2, Appli
45 155 12.0 3135 1 US-08-323-170B-2

ALIGNMENTS

RESULT 1
US-08-466-603-2
; Sequence 2, Application US/08466603
; Patent No. 5726018
; GENERAL INFORMATION:
; APPLICANT: Pasternack, Gary R.
; APPLICANT: Kuhajda, Francis P.
; TITLE OF INVENTION: No. 5726018el Mammalian Protein Associated With
; TITLE OF INVENTION: Uncontrolled Cell Division
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Banner, Birch, McKie & Beckett
; STREET: 1001 G Street, N.W.
; CITY: Washington, D.C.
; STATE: District of Columbia
; COUNTRY: U.S.A.
; ZIP: 20001
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/466,603
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/314,503
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Posorske Esq., Laurence H.
; REGISTRATION NUMBER: 34,698
; REFERENCE/DOCKET NUMBER: 1107.47218
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202 508-9153
; TELEFAX: 202 508-9299
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 249 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-466-603-2

Query Match 100.0%; Score 1288; DB 1; Length 249;
Best Local Similarity 100.0%; Pred. No. 3.3e-102;
Matches 249; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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| Qy | 61 | PKLNKLLKLELSDNRSVSGGLEVLAEKCPNLTHLNLGKNKIDLSTIEPLKKNLAKSLDE | 120 |
| Db | 61 | PKLNKLLKLELSDNRSVSGGLEVLAEKCPNLTHLNLGKNKIDLSTIEPLKKNLAKSLDE | 120 |
| Qy | 121 | FNCEVTNLNDYRNFVKLLPOLTYLDGYDRDOKAPSDAEGVYVEGLDDEEEDDEEYD | 180 |
| Db | 121 | FNCEVTNLNDYRNFVKLLPOLTYLDGYDRDOKAPSDAEGVYVEGLDDEEEDDEEYD | 180 |
| Qy | 181 | EDAQVYVEDEDEDEEBEGBEDSVSGEEDDEGYNDCGEVDEDEEELGEEERGQKKKE | 240 |
| Db | 181 | EDAQVVEDEDEDEEBEGBEDSVSGEEDDEGYNDCGEVDEDEEELGEEERGQKKKE | 240 |
| Qy | 241 | PEDEGEDDD | 249 |
| Db | 241 | PEDEGEDDD | 249 |

RESULT 2

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US-08-314-503A-2
; Sequence 2, Application US/08314503A
; Patent No. 5734022
; GENERAL INFORMATION:
; APPLICANT: Pasternack, Gary R.
; APPLICANT: Kuhajda, Francis P.
; TITLE OF INVENTION: No. 5734022el Mammalian Protein Associated With
; TITLE OF INVENTION: Uncontrolled Cell Division
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Banner, Birch, McKie & Beckett
; STREET: 1001 G Street, N.W.
; CITY: Washington, D.C.
; STATE: District of Columbia
; COUNTRY: U.S.A.
; ZIP: 20001
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/314.503A

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| Query Match | 100.0% | Score 1288; | DB i: | Length 249; |
| Best Local Similarity | 100.0% | Pred. No. 3.e-103; | | |
| Matches 249; | Conservative | 0; | Mismatches | 0; |
| | | | Indels | 0; |
| | | | Gaps | 0; |

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| Qy | 1 | MENGR3IHLNRRTPSDVKELVLVNSRSNEGKLEGLTDFEELPEFSTINVGITSIANL | 60 |
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| Db | 1 | MENGR3IHLNRRTPSDVKELVLVNSRSNEGKLEGLTDFEELPEFSTINVGITSIANL | 60 |
| | | | |
| Qy | 61 | PKNLKTKGLELDNRVSGGLEVLAKECPNLTHNISGNKKIKDLSTIEPLKLENLKSGLD | 120 |
| | | | |
| Db | 61 | PKNLKTKGLELDNRVSGGLEVLAKECPNLTHNISGNKKIKDLSTIEPLKLENLKSGLD | 120 |
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| Qy | 121 | FNCSEVTNIINDYRNVFKLLIPOLFTYLDGVYDRDDPKAPSDAEGYVEGLDDSEEDDEBEYD | 180 |

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Db      121  FNCSEVWINDYRENVFKILLQOLTYLDGYDRDKKAPSDAEGYVEGLDSEDEDEBYD 180
Qy      181  EDAQVWDEDEDEDEEEREGEEDVSGSEEEDEEGYNDGEVDDEDEEELGEERGGQKKRE 240
Db      181  EDAQVWDEDEDEDEEEREGEEDVSGSEEEDEEGYNDGEVDDEDEEELGEERGGQKKRE 240
Qy      241  PEDREGDDDD 249
Db      241  PEDREGDDDD 249

RESULT 3
US-08-468-066-2
; Sequence 2, Application US/08468066
; Patent No. 5756676
; GENERAL INFORMATION:
; APPLICANT: Pasternack, Gary R.
; APPLICANT: Kuhajda, Francis P.
; TITLE OF INVENTION: No. 5756676el Mammalian Protein Associated With
; TITLE OF INVENTION: Uncontrolled Cell Division
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Banner, Birch, McKie & Beckett
; STREET: 1001 G Street, N.W.
; CITY: Washington, D.C.
; STATE: District of Columbia
; COUNTRY: U.S.A.
; ZIP: 20001
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/468.066

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RESULT 3

US-08-468-066-2
Sequence 2, Application US/08468066
Patent No. 5756676
GENERAL INFORMATION:
APPLICANT: Pasternack, Gary R.
APPLICANT: Kuhajda, Francis P.
TITLE OF INVENTION: No. 5756676el Mammalian Protein Associated With
TITLE OF INVENTION: Uncontrolled Cell Division
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: Banner, Birch, McKie & Beckett
STREET: 1001 G Street, N.W.
CITY: Washington, D.C.
STATE: District of Columbia
COUNTRY: U.S.A.
ZIP: 20001
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/468,066
FILING DATE: 06-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/314,503
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Pogorske Esq., Laurence H.
REGISTRATION NUMBER: 34,698
REFERENCE/DOCKET NUMBER: 1107.47218
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202 508-9153
TELEFAX: 202 508-9299
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 249 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-468-066-2

| | | | | |
|-----------------------|--------------|--------------------|----------|------------|
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| Best Local Similarity | 100.0% | Pred. No. 3.3e-102 | | |
| Matches 249 | Conservative | | | |
| | 0 | Mismatches 0 | Indels 0 | Gaps 0 |

| | | | |
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| QY | 1 | MEMGRRIHLELRNRTPTSDVKELVLTDNSNSNKGLEGLTDEFEELBFLSTINVLGTSIANL | 60 |
| Db | 1 | MEMGRRIHLELRNRTPTSDVKELVLTDNSNSNKGLEGLTDEFEELBFLSTINVLGTSIANL | 60 |
| QY | 61 | PKLNKLKLELSDRNVSGLLEVLAEKCNPLTHLANSNGNKIKDLSLTPLEPKLENLKSDDL | 120 |
| Db | 61 | PKLNKLKLELSDRNVSGLLEVLAEKCNPLTHLANSNGNKIKDLSLTPLEPKLENLKSDDL | 120 |
| QY | 121 | FNCEVTNLNDYRNVFNKLLPOLTYLDGYDRDDKEAPSDAEGYVGLDDEDEDEEYD | 180 |
| Db | 121 | FNCEVTNLNDYRNVFNKLLPOLTYLDGYDRDDKEAPSDAEGYVGLDDEDEDEEYD | 180 |
| QY | 181 | EDAQVVDDEDEDEDEEAGEEDVSGEEDEBEGYNDGEVDDDEEHLEGEHGGQRKKE | 240 |

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181 EDQAVVDESDDEEESEGEEDYSGREEDEEGYNDGEVDDEEDELGEERGGQRKRE   240
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RESULT 4
US-08-466-717-2
; Sequence 2, Application US/08466717
; Patent No. 5874234
; GENERAL INFORMATION:
; APPLICANT: Pasternack, Gary R.
; APPLICANT: Kuhajda, Francis P.
; TITLE OF INVENTION: NO. 5874234el Mammalian Protein Associated With
; TITLE OF INVENTION: Uncontrolled Cell Division
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Banner, Birch, McKie & Beckett
; STREET: 1001 G Street, N.W.
; CITY: Washington, D.C.
; STATE: District of Columbia
; COUNTRY: U.S.A.
; ZIP: 20001
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/466,717
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/314,503
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Posorske Esq., Laurence H.
; REGISTRATION NUMBER: 34,698
; REFERENCE/DOCKET NUMBER: 1107.47218
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202 508-9153
; TELEFAX: 202 508-9299
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 249 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-466-717-2

Query Match          100.0%; Score 1288; DB 2; Length 249;
Best Local Similarity 100.0%; Pred. No. 3.3e-102; Indels 0; Gaps 0
Matches 249; Conservative 0; Mismatches 0;

QY      1 MEMGRIHLELRNTPSDVKELVLDNSRSNEGLEGLTDFEFLEFLSTINVGLSIANL 60
DB      1 MEMGRIHLELRNTPSDVKELVLDNSRSNEGLEGLTDFEFLEFLSTINVGLSIANL 60

QY      61 PKLNKLKKELETSDNRVSGGLEVLAEKCPNLTHNLGNKKIKDLSITTEPLKLENLKSLDL 120
DB      61 PKLNKLKKELETSDNRVSGGLEVLAEKCPNLTHNLGNKKIKDLSITTEPLKLENLKSLDL 120

QY      121 FNCVEYNLNDVRNVFKLLPQLTYLDGYDRDKAPDSDAEGVVVEGLDDDEEDEDEERYD 180
DB      121 FNCVEYNLNDVRNVFKLLPQLTYLDGYDRDKAPDSDAEGVVVEGLDDDEEDEDEERYD 180

QY      181 EDQAVVEEDDEDEEESEGEEDVSGREEFEDEEGYNDGEVDDEDEBELGEERGGQRKRE   240
DB      181 EDQAVVEEDDEDEEESEGEEDVSGREEFEDEEGYNDGEVDDEDEBELGEERGGQRKRE   240

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Thu Jun 24 11:13:39 2004

Db 241 PEDEGEDDD 249

RESULT 6

US-08-466-743-2

Sequence 2, Application US/08466743

Patent No. 6040173

GENERAL INFORMATION:

APPLICANT: Pasternack, Gary R.

APPLICANT: Kuhnada, Francis P.

TITLE OF INVENTION: No. 6040173el Mammalian Protein Associated with

TITLE OF INVENTION: Uncontrolled Cell Division

NUMBER OF SEQUENCES: 9

CORRESPONDENCE ADDRESS:

ADDRESSEE: Banner, Birch, McKie & Beckett

STREET: 1001 G Street, N.W.

CITY: Washington, D.C.

STATE: District of Columbia

COUNTRY: U.S.A.

ZIP: 20001

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent In Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/466,743

FILING DATE:

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/314,503

FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: Posorske Esq., Laurence H.

REGISTRATION NUMBER: 34,698

REFERENCE/DOCKET NUMBER: 1107.47218

TELECOMMUNICATION INFORMATION:

TELEPHONE: 202 508-9153

TELEFAX: 202 508-9299

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 249 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-466-743-2

Query Match 100.0%; Score 1288; DB 3; Length 249;

Best Local Similarity 100.0%; Pred. No. 3.3e-102;

Matches 249; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MEMGRIHLELRNTPSDVKELVLDNSRNEGKLEGLTDEPEEFLEFLSTINVLSTIANL 60

Db 1 MEMGRIHLELRNTPSDVKELVLDNSRNEGKLEGLTDEPEEFLEFLSTINVLSTIANL 60

QY 61 PKLNLKLELSDNRVSGGLEVLAEKCPNLTHNLGSKNKKDLSLTIPLKLENLKSLDL 120

Db 61 PKLNLKLELSDNRVSGGLEVLAEKCPNLTHNLGSKNKKDLSLTIPLKLENLKSLDL 120

QY 121 FNCVETNLNDYRENVFKLLPQLTYLDGYDRDDKEAPDSDAEGYVEGLDDEDEDEEYD 180

Db 121 FNCVETNLNDYRENVFKLLPQLTYLDGYDRDDKEAPDSDAEGYVEGLDDEDEDEEYD 180

QY 181 EDAQVVEDE 240

Db 181 EDAQVVEDE 240

QY 241 PEDEGEDDD 249

Db 241 PEDEGEDDD 249

RESULT 7

US-09-262-610-4

Sequence 4, Application US/09262610

Patent No. 6428949

GENERAL INFORMATION:

APPLICANT: Bandman, Olga

APPLICANT: Goli, Surya K.

TITLE OF INVENTION: NOVEL HUMAN PHOSPHATASE INHIBITOR PROTEIN

NUMBER OF SEQUENCES: 4

CORRESPONDENCE ADDRESS:

ADDRESSEE: Incyte Pharmaceuticals, Inc.

STREET: 3174 Porter Drive

CITY: Palo Alto

STATE: CA

COUNTRY: USA

ZIP: 94304

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette

COMPUTER: IBM Compatible

OPERATING SYSTEM: DOS

SOFTWARE: FastSEQ for Windows Version 2.0

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/262,610

FILING DATE:

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/766,738

FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: Billings, Lucy J.

REGISTRATION NUMBER: 36,749

REFERENCE/DOCKET NUMBER: PP-0177 US

TELECOMMUNICATION INFORMATION:

TELEPHONE: 415-855-0555

TELEFAX: 415-845-4166

TELEX:

INFORMATION FOR SEQ ID NO: 4:

SEQUENCE CHARACTERISTICS:

LENGTH: 249 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

IMMEDIATE SOURCE:

LIBRARY: GenBank

CLONE: 403007

US-09-262-610-4

Query Match 100.0%; Score 1288; DB 4; Length 249;

Best Local Similarity 100.0%; Pred. No. 3.3e-102;

Matches 249; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MEMGRIHLELRNTPSDVKELVLDNSRNEGKLEGLTDEPEEFLEFLSTINVLSTIANL 60

Db 1 MEMGRIHLELRNTPSDVKELVLDNSRNEGKLEGLTDEPEEFLEFLSTINVLSTIANL 60

QY 61 PKLNLKLELSDNRVSGGLEVLAEKCPNLTHNLGSKNKKDLSLTIPLKLENLKSLDL 120

Db 61 PKLNLKLELSDNRVSGGLEVLAEKCPNLTHNLGSKNKKDLSLTIPLKLENLKSLDL 120

QY 121 FNCVETNLNDYRENVFKLLPQLTYLDGYDRDDKEAPDSDAEGYVEGLDDEDEDEEYD 180

Db 121 FNCVETNLNDYRENVFKLLPQLTYLDGYDRDDKEAPDSDAEGYVEGLDDEDEDEEYD 180

QY 181 EDAQVVEDE 240

Db 181 EDAQVVEDE 240

QY 241 PEDEGEDDD 249

Db 241 PEDEGEDDD 249

RESULT 8
PCT-US95-12414-2

Sequence 2, Application PC/TUS9512414
 GENERAL INFORMATION:
 APPLICANT: Pasternack, Gary R.
 APPLICANT: Kujajda, Francis P.
 TITLE OF INVENTION: Novel Mammalian Protein Associated With
 TITLE OF INVENTION: Uncontrolled Cell Division
 NUMBER OF SEQUENCES: 9
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Banner & Allegretti, Ltd.
 STREET: 1001 G Street, N.W.
 CITY: Washington, D.C.
 STATE: District of Columbia
 COUNTRY: U.S.A.
 ZIP: 20001
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: PCT/US95/12414
 FILING DATE:
 CLASSIFICATION:
 PRIOR APPLICATION DATA: US 08/314,503
 APPLICATION NUMBER:
 FILING DATE: 22-SEP-1994
 ATTORNEY/AGENT INFORMATION:
 NAME: Hoescheit Esq., Dale H.
 REGISTRATION NUMBER: 19,090
 REFERENCE/DOCKET NUMBER: 1107.51507
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 202 508-9153
 TELEFAX: 202 508-9299
 INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 249 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 PCT-US95-12414-2

Query Match 100.0%; Score 1288; DB 5; Length 249;
 Best Local Similarity 100.0%; Pred. No. 3.3e-102;
 Matches 249; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

| | | | |
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| QY | 1 | MEMGRIHLELRNTPSDVKELVLDNSRNEKLEGLTDFEPLSTINVLTSIANL | 60 |
| DB | 1 | MEMGRIHLELRNTPSDVKELVLDNSRNEKLEGLTDFEPLSTINVLTSIANL | 60 |
| QY | 61 | PKLNKLELSDNRVSGGLEVLAEKCPNLTHLNLGNKIKDLSIEPLKLENLKSIDL | 120 |
| DB | 61 | PKLNKLELSDNRVSGGLEVLAEKCPNLTHLNLGNKIKDLSIEPLKLENLKSIDL | 120 |
| QY | 121 | FNCEVTNLDYRNVFKLLPOLTYLDGYDRDKEAPSDAEGYVGLDDEDEDEEVD | 180 |
| DB | 121 | FNCEVTNLDYRNVFKLLPOLTYLDGYDRDKEAPSDAEGYVGLDDEDEDEEVD | 180 |
| QY | 181 | EDAQVVEDE | 240 |
| DB | 181 | EDAQVVEDE | 240 |
| QY | 241 | PEDEGEDDD 249 | |
| DB | 241 | PEDEGEDDD 249 | |

RESULT 9
 US-08-766-738-3
 Sequence 3, Application US/08766738
 Patent No. 5916749
 GENERAL INFORMATION:
 APPLICANT: Bandman, Olga
 APPLICANT: Goli, Surya K.

TITLE OF INVENTION: NOVEL HUMAN PHOSPHATASE INHIBITOR PROTEIN
 NUMBER OF SEQUENCES: 4
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Incyte Pharmaceuticals, Inc.
 STREET: 3174 Porter Drive
 CITY: Palo Alto
 STATE: CA
 COUNTRY: USA
 ZIP: 94304
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: DOS
 SOFTWARE: FastSeq for Windows Version 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/766,738
 FILING DATE: Herewith
 CLASSIFICATION: 530
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER:
 FILING DATE:
 ATTORNEY/AGENT INFORMATION:
 NAME: Billings, Lucy J.
 REGISTRATION NUMBER: 36,749
 REFERENCE/DOCKET NUMBER: PP-0177 US
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 415-855-0555
 TELEFAX: 415-845-4166
 TELEX:
 INFORMATION FOR SEQ ID NO: 3:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 251 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 IMMEDIATE SOURCE:
 LIBRARY: GenBank
 CLONING: 1498225
 US-08-766-738-3

Query Match 69.7%; Score 897.5; DB 2; Length 251;
 Best Local Similarity 70.1%; Pred. No. 6.1e-69;
 Matches 178; Conservative 38; Mismatches 29; Indels 9; Gaps 4;

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| QY | 1 | MEMGRIHLELRNTPSDVKELVLDNSRNEKLEGLTDFEPLSTINVLTSIANL | 60 |
| DB | 1 | MDMKRIHLELRNTPAAVRELVDNCKSNCKIEGLTDFEPLSTINVLTSIANL | 60 |
| QY | 61 | PKLNKLELSDNRVSGGLEVLAEKCPNLTHLNLGNKIKDLSIEPLKLENLKSIDL | 120 |
| DB | 61 | PKLPKLELSENIPGGLDMLAEKLENLTHLNLGNKIKDLSIEPLKLEKLSIDL | 120 |
| QY | 121 | FNCEVTNLDYRNVFKLLPOLTYLDGYDRDKEAPSDAEGYVGLDDEDEDE | 176 |
| DB | 121 | FNCEVTNLDYRNVFKLLPOLTYLDGYDRDKEAPSDAEGYVGLDDEDEDE | 178 |
| QY | 177 | BEYDEDAQVVE--DEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDE | 234 |
| DB | 179 | DE | 237 |
| QY | 235 | QKRKRPDEGEDD 249 | |
| DB | 238 | EKKRRTDDEGEDD 251 | |

RESULT 10
 US-09-262-610-3
 Sequence 3, Application US/09262610
 Patent No. 6428949
 GENERAL INFORMATION:
 APPLICANT: Bandman, Olga
 APPLICANT: Goli, Surya K.
 TITLE OF INVENTION: NOVEL HUMAN PHOSPHATASE INHIBITOR PROTEIN

; NUMBER OF SEQUENCES: 4
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Incyte Pharmaceuticals, Inc.
 ; STREET: 3174 Porter Drive
 ; CITY: Palo Alto
 ; STATE: CA
 ; COUNTRY: USA
 ; ZIP: 94304
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Diskette
 ; COMPUTER: IBM Compatible
 ; OPERATING SYSTEM: DOS
 ; SOFTWARE: FastSeq for Windows Version 2.0
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/09/262,610
 ; FILING DATE:
 ; CLASSIFICATION:
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: 08/766,738
 ; FILING DATE:
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Billings, Lucy J.
 ; REGISTRATION NUMBER: 36,749
 ; REFERENCE/DOCKET NUMBER: PP-0177 US
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 415-855-0555
 ; TELEFAX: 415-845-4166
 ; TELEX:
 ; INFORMATION FOR SEQ ID NO: 3:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 251 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; IMMEDIATE SOURCE:
 ; LIBRARY: GenBank
 ; CLONE: 1498225
 ; US-09-262-610-3

Query Match 69.7%; Score 897.5; DB 4; Length 251;
 Best Local Similarity 70.1%; Pred. No. 6.1e-69;
 Matches 178; Conservative 38; Mismatches 29; Indels 9; Gaps 4;
 Qy 1 MEMGRRHLELRNTPSDVKELVLDNSRNEGKLEGLTDRPEEFLEFLSTINVLGTSIANL 60
 Db 1 MDKGRHLELRNTPAAVRELVLNCKNSDKIEGLTAEFVNLEFLSLINVLISVSNL 60
 Qy 61 PKLNLKLELSDNRVSGGLEVLAEKCPNLTHNLGNKIKOLSTIEPLKLENLKSIDL 120
 Db 61 PKLNLKLELSENRFGLDMLAEKLPNLTHNLGNKLDISTIEPLKLECKLSIDL 120
 Qy 121 FNCVETNLNDYRNVFKLLPOLTYLDGYDRDDKEAPSDAEVYEGGLDDEEEDS---DS 176
 Db 121 FNCVETNLNDYRNVFKLLPOLTYLDGYDRDQAPSDAE--VDGVDEEEDEEGEDEE 178
 Qy 177 EYEDAQVVE--DEEEDDEEEGEEDVSGEEEDDEEGYNDGVDDDEDEELGEBERG 234
 Db 179 DEEDDGESEEFDEDEDEDEVESEEEFGLDEDEDEDEDEEER--EEGKGK 237
 Qy 235 QKREPEDEGEDD 248
 Db 238 EKRRETDDEGEDD 251

RESULT 11
 US-08-766-738-1
 ; Sequence 1, Application US/08766738
 ; Patent No. 5916749
 ; GENERAL INFORMATION:
 ; APPLICANT: Bandman, Olga
 ; APPLICANT: Goli, Surya K.
 ; TITLE OF INVENTION: NOVEL HUMAN PHOSPHATASE INHIBITOR PROTEIN
 ; NUMBER OF SEQUENCES: 4

; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Incyte Pharmaceuticals, Inc.
 ; STREET: 3174 Porter Drive
 ; CITY: Palo Alto
 ; STATE: CA
 ; COUNTRY: USA
 ; ZIP: 94304
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Diskette
 ; COMPUTER: IBM Compatible
 ; OPERATING SYSTEM: DOS
 ; SOFTWARE: FastSeq for Windows Version 2.0
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/766,738
 ; FILING DATE: Herewith
 ; CLASSIFICATION: 530
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER:
 ; FILING DATE:
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Billings, Lucy J.
 ; REGISTRATION NUMBER: 36,749
 ; REFERENCE/DOCKET NUMBER: PP-0177 US
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 415-855-0555
 ; TELEFAX: 415-845-4166
 ; TELEX:
 ; INFORMATION FOR SEQ ID NO: 1:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 251 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; IMMEDIATE SOURCE:
 ; LIBRARY: Consensus
 ; CLONE: 1813361
 ; US-08-766-738-1

Query Match 68.4%; Score 880.5; DB 2; Length 251;
 Best Local Similarity 68.1%; Pred. No. 1.7e-67;
 Matches 173; Conservative 39; Mismatches 33; Indels 9; Gaps 3;
 Qy 1 MEMGRRHLELRNTPSDVKELVLDNSRNEGKLEGLTDRPEEFLEFLSTINVLGTSIANL 60
 Db 1 MDKGRHLELRNTPAAVRELVLNCKNSDKIEGLTAEFVNLEFLSLINVLISVSNL 60
 Qy 61 PKLNLKLELSDNRVSGGLEVLAEKCPNLTHNLGNKIKOLSTIEPLKLENLKSIDL 120
 Db 61 PKLNLKLELSENRFGLDMLAEKLPNLTHNLGNKLDISTIEPLKLECKLSIDL 120
 Qy 121 FNCVETNLNDYRNVFKLLPOLTYLDGYDRDDKEAPSDAEVYEGGLDDEEEDS---E 174
 Db 121 FNCVETNLNDYRNVFKLLPOLTYLDGYDRDQAPSDAE--VDGVDXKEEDGEDEE 178
 Qy 175 DEEYEDAQVVEDEDEDEDEEEDVSGEEEDDEEGYNDGVDDDEDEELGEBERG 234
 Db 179 DEEDDGESEEFDEDEDEDEVESEEEFGLDEDEDEDEDEEER--EEGKGK 237
 Qy 235 QKREPEDEGEDD 248
 Db 238 EKRRETDDEGEDD 251

RESULT 12
 US-09-262-610-1
 ; Sequence 1, Application US/09262610
 ; Patent No. 6438949
 ; GENERAL INFORMATION:
 ; APPLICANT: Bandman, Olga
 ; APPLICANT: Goli, Surya K.
 ; TITLE OF INVENTION: NOVEL HUMAN PHOSPHATASE INHIBITOR PROTEIN
 ; NUMBER OF SEQUENCES: 4
 ; CORRESPONDENCE ADDRESS:

```

; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/262,610
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/766,738
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PP-0177 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-855-0555
; TELEFAX: 415-845-4166
; TELEX:
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 251 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: Consensus
; CLONE: 1813361
;
US-09-262-610-1

Query Match 68.4%; Score 880.5; DB 4; Length 251;
Best Local Similarity 68.1%; Pred. No. 1.7e-67;
Matches 173; Conservative 39; Mismatches 33; Indels 9; Gaps 3;

Qy 1 MEMGRHLELRNRTPSVKELVLNDSNSKGLRGLTDEFEELFSTINVLSTANTL 60
Db 1 MDKRRHLELRNRTPAAVRLVLLNCKNSDKRGLTAEFNVLEFLINVLISVNL 60

Qy 61 PKLNLKLELSDNRVSGGLEVLAEKCPNLTHNLNLSGNKIKDLSTIEPLKLENLKSLDL 120
Db 61 PKLPGLKLELSENRIFGGLDMLAEKLPNLTHNLNLSGNKLDISTLEPLKLECLKSLDL 120

Qy 121 FNCVNTNLNDRVNVFKLLPOLTYLDGYDRDDKAPSDAEGYVEGLDDEED 174
Db 121 FNCVNTNLNDRVNVFKLLPOLTYLDGYDRDDKAPSDAEGYVEGLDDEED 178

Qy 175 DEBEYDQAQVVEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDE 234
Db 179 DEDEDECEEEFDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDE 178

Qy 235 QKRKRPEDEGEDD 248
Db 238 EKRKRETDDEGEDD 251

RESULT 13
US-08-466-603-5
; Sequence 5, Application US/08466603
; Patent No. 5726018
; GENERAL INFORMATION:
; APPLICANT: Pasternack, Gary R.
; APPLICANT: Kuhajda, Francis P.
; TITLE OF INVENTION: No. 5726018el Mammalian Protein Associated With
; TITLE OF INVENTION: Uncontrolled Cell Division
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Banner, Birch, McKie & Beckett
; STREET: 1001 G Street, N.W.
; CITY: Washington, D.C.
; STATE: District of Columbia
; COUNTRY: U.S.A.
; ZIP: 20001
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk

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; ADDRESSEE: Banner, Birch, McKie & Beckett
; STREET: 1001 G Street, N.W.
; CITY: Washington, D.C.
; STATE: District of Columbia
; COUNTRY: U.S.A.
; ZIP: 20001
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/466,603
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/314,503
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Posorske Esq., Laurence H.
; REGISTRATION NUMBER: 34,698
; REFERENCE/DOCKET NUMBER: 1107.47218
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202 508-9153
; TELEFAX: 202 508-9299
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 182 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
;
US-08-466-603-5

Query Match 65.5%; Score 843; DB 1; Length 182;
Best Local Similarity 88.0%; Pred. No. 1.8e-64;
Matches 162; Conservative 10; Mismatches 10; Indels 2; Gaps 1;

Qy 66 LKLELSDNRVSGGLEVLAEKCPNLTHNLNLSGNKIKDLSTIEPLKLENLKSLDLFNCV 125
Db 1 VKLELSENRIISGLVLEAEKCPNLKHLNLSGNKIKDLSTIEPLKLENLKSLDLFNCV 60

Qy 126 TNLNDVENVFKLLPOLTYLDGYDRDDKAPSDAEGYVEGLDDEEDDEBEYDQAQV 185
Db 61 TNLNAYENVFKLLPOLTYLDGYDRDDKAPSDAEGYVEGLDDEEDDEBEYDQAQV 118

Qy 186 VEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDE 245
Db 119 VEDEEEVEDEEEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDE 178

Qy 246 EDDD 249
Db 179 EDDD 182

RESULT 14
US-08-314-503A-5
; Sequence 5, Application US/08314503A
; Patent No. 5734022
; GENERAL INFORMATION:
; APPLICANT: Pasternack, Gary R.
; APPLICANT: Kuhajda, Francis P.
; TITLE OF INVENTION: No. 5734022el Mammalian Protein Associated With
; TITLE OF INVENTION: Uncontrolled Cell Division
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Banner, Birch, McKie & Beckett
; STREET: 1001 G Street, N.W.
; CITY: Washington, D.C.
; STATE: District of Columbia
; COUNTRY: U.S.A.
; ZIP: 20001
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk

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COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/314,503A
 FILING DATE:

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: Posorske Esq., Laurence H.

REGISTRATION NUMBER: 34,698

REFERENCE/DOCKET NUMBER: 1107.47218

TELECOMMUNICATION INFORMATION:

TELEPHONE: 202 508-9153

TELEFAX: 202 508-9299

INFORMATION FOR SEQ ID NO: 5:

SEQUENCE CHARACTERISTICS:

LENGTH: 182 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-314-503A-5

Query Match 65.5%; Score 843; DB 1; Length 182;
 Best Local Similarity 88.0%; Pred. No. 1.8e-64;
 Matches 162; Conservative 10; Mismatches 10; Indels 2; Gaps 1;

QY 66 LKKLELSNRSVSGGLEVLAEKCPNLTNLNLSGNKIKDLSLTIPLKXLENLKSLLDNCEV 125

DB 1 VKKLELSNRSVSGGLEVLAEKCPNLTNLNLSGNKIKDLSLTIPLKXLENLKSLLDNCEV 60

QY 126 TNLNDYRENVFKLLPQVLYLGGYDRDKAPSDAEGYVEGLDDEDEDEEYDEDAQV 185

DB 61 TNLNAYRENVFKLLPQVLYLGGYDRDKAPSDAEGYVEGLDDEDEDEEYDEVAQL 118

QY 186 VEDEDEDEEEREGEEDVSGEERDEEGYNDGEVDDDEEELGEEERQKREPEDEG 245

DB 119 VEDEDEEVEEREGEEDVSGEERDEEGYNDGEVDDDEEELGEEERQKREPEDEG 178

QY 246 EDDD 249

DB 179 EDDD 182

RESULT 15

US-08-468-066-5

Sequence 5, Application US/08468066

Patent No. 5756676

GENERAL INFORMATION:

APPLICANT: Pasternack, Gary R.

APPLICANT: Kuhajda, Francis P.

TITLE OF INVENTION: No. 5756676el Mammalian Protein Associated With

TITLE OF INVENTION: Uncontrolled Cell Division

NUMBER OF SEQUENCES: 9

CORRESPONDENCE ADDRESS:

ADDRESSEE: Banner, Birch, McKie & Beckett

STREET: 1001 G Street, N.W.

CITY: Washington, D.C.

STATE: District of Columbia

COUNTRY: U.S.A.

ZIP: 20001

COMPUTER READABLES FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent In Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/468,066

FILING DATE: 06-JUN-1995

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/314,503

FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: Posorske Esq., Laurence H.
 REGISTRATION NUMBER: 34,698
 REFERENCE/DOCKET NUMBER: 1107.47218
 TELECOMMUNICATION INFORMATION:

TELEPHONE: 202 508-9153

TELEFAX: 202 508-9299

INFORMATION FOR SEQ ID NO: 5:

SEQUENCE CHARACTERISTICS:

LENGTH: 182 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-468-066-5

Query Match 65.5%; Score 843; DB 1; Length 182;

Best Local Similarity 88.0%; Pred. No. 1.8e-64;

Matches 162; Conservative 10; Mismatches 10; Indels 2; Gaps 1;

QY 66 LKKLELSNRSVSGGLEVLAEKCPNLTNLNLSGNKIKDLSLTIPLKXLENLKSLLDNCEV 125

DB 1 VKKLELSNRSVSGGLEVLAEKCPNLTNLNLSGNKIKDLSLTIPLKXLENLKSLLDNCEV 60

QY 126 TNLNDYRENVFKLLPQVLYLGGYDRDKAPSDAEGYVEGLDDEDEDEEYDEDAQV 185

DB 61 TNLNAYRENVFKLLPQVLYLGGYDRDKAPSDAEGYVEGLDDEDEDEEYDEVAQL 118

QY 186 VEDEDEDEEEREGEEDVSGEERDEEGYNDGEVDDDEEELGEEERQKREPEDEG 245

DB 119 VEDEDEEVEEREGEEDVSGEERDEEGYNDGEVDDDEEELGEEERQKREPEDEG 178

QY 246 EDDD 249

DB 179 EDDD 182

Search completed: June 24, 2004, 10:54:58

Job time : 17.0124 secs

GenCore version 5.1.6
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CM protein - protein search, using sw model

Run on: June 24, 2004, 10:51:52 ; Search time 40.2112 Seconds
(without alignments)
1748.173 Million cell updates/sec

Title: US-09-591-500A-5
Perfect score: 1288
Sequence: 1 MEMGRIHLELRNTPSDVK.....ESERGQKRKREDEGEDDD 249

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1163542 seqs, 282313646 residues

Total number of hits satisfying chosen parameters: 1163542

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

- Database : Published Applications AA:*
- 1: /cgn2_6/ptodata/2/pubpaa/US07_PUBCOMB.pep.*
 - 2: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB.pep.*
 - 3: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pep.*
 - 4: /cgn2_6/ptodata/2/pubpaa/US06_PUBCOMB.pep.*
 - 5: /cgn2_6/ptodata/2/pubpaa/US07_NEW_PUB.pep.*
 - 6: /cgn2_6/ptodata/2/pubpaa/PCTUS_PUBCOMB.pep.*
 - 7: /cgn2_6/ptodata/2/pubpaa/US08_NEW_PUB.pep.*
 - 8: /cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB.pep.*
 - 9: /cgn2_6/ptodata/2/pubpaa/US09_PUBCOMB.pep.*
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 - 13: /cgn2_6/ptodata/2/pubpaa/US10A_PUBCOMB.pep.*
 - 14: /cgn2_6/ptodata/2/pubpaa/US10B_PUBCOMB.pep.*
 - 15: /cgn2_6/ptodata/2/pubpaa/US10C_PUBCOMB.pep.*
 - 16: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep.*
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 - 18: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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| 1 | 1288 | 100.0 | 249 | 12 | US-09-825-886-24 |
| 2 | 1288 | 100.0 | 249 | 14 | US-10-213-700-4 |
| 3 | 1288 | 100.0 | 249 | 14 | US-10-273-334-14 |
| 4 | 1279 | 99.3 | 249 | 14 | US-10-273-334-29 |
| 5 | 1255 | 97.4 | 249 | 14 | US-10-273-334-10 |
| 6 | 1218 | 94.6 | 249 | 14 | US-10-273-334-12 |
| 7 | 1201 | 93.2 | 249 | 14 | US-10-273-334-34 |
| 8 | 1043 | 81.0 | 234 | 14 | US-10-273-334-24 |
| 9 | 1002 | 77.8 | 234 | 14 | US-10-273-334-22 |
| 10 | 1001 | 77.7 | 234 | 14 | US-10-273-334-2 |
| 11 | 1001 | 77.7 | 234 | 14 | US-10-273-334-49 |
| 12 | 994 | 77.2 | 234 | 14 | US-10-273-334-16 |
| 13 | 897.5 | 68.4 | 251 | 14 | US-10-213-700-3 |
| 14 | 880.5 | 68.4 | 251 | 14 | US-10-213-700-1 |
| 15 | 781 | 60.6 | 268 | 15 | US-10-104-047-3158 |

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| 16 | 633 | 49.1 | 130 | 14 | US-10-273-334-31 | Sequence 31, Appl |
| 17 | 631 | 49.0 | 130 | 15 | US-10-108-260A-3032 | Sequence 3032, Ap |
| 18 | 607 | 47.1 | 130 | 14 | US-10-273-334-5 | Sequence 5, Appl |
| 19 | 584 | 45.3 | 130 | 14 | US-10-273-334-8 | Sequence 8, Appl |
| 20 | 584 | 45.3 | 130 | 14 | US-10-273-334-18 | Sequence 18, Appl |
| 21 | 584 | 45.3 | 130 | 14 | US-10-273-334-20 | Sequence 20, Appl |
| 22 | 584 | 45.3 | 130 | 14 | US-10-273-334-27 | Sequence 27, Appl |
| 23 | 574 | 44.6 | 131 | 14 | US-10-273-334-48 | Sequence 48, Appl |
| 24 | 372 | 28.9 | 295 | 12 | US-10-424-599-239171 | Sequence 239171, |
| 25 | 233 | 18.1 | 197 | 13 | US-10-101-487-51 | Sequence 51, Appl |
| 26 | 233 | 18.1 | 197 | 13 | US-10-101-487-114 | Sequence 114, App |
| 27 | 226 | 17.5 | 179 | 13 | US-10-101-487-107 | Sequence 107, App |
| 28 | 223 | 17.3 | 180 | 13 | US-10-101-487-116 | Sequence 116, App |
| 29 | 219 | 17.0 | 176 | 13 | US-10-101-487-56 | Sequence 56, Appl |
| 30 | 216 | 16.8 | 1162 | 12 | US-09-894-273-2 | Sequence 2, Appl |
| 31 | 216 | 16.8 | 1162 | 14 | US-10-294-804-2 | Sequence 2, Appl |
| 32 | 215 | 16.7 | 174 | 13 | US-10-101-487-72 | Sequence 72, Appl |
| 33 | 215 | 16.7 | 175 | 13 | US-10-101-487-57 | Sequence 57, Appl |
| 34 | 215 | 16.7 | 176 | 13 | US-10-101-487-70 | Sequence 70, Appl |
| 35 | 215 | 16.7 | 177 | 13 | US-10-101-487-48 | Sequence 48, Appl |
| 36 | 215 | 16.7 | 177 | 13 | US-10-101-487-115 | Sequence 115, App |
| 37 | 215 | 16.7 | 179 | 13 | US-10-101-487-46 | Sequence 46, Appl |
| 38 | 215 | 16.7 | 181 | 13 | US-10-101-487-45 | Sequence 45, Appl |
| 39 | 215 | 16.7 | 186 | 13 | US-10-101-487-44 | Sequence 44, Appl |
| 40 | 215 | 16.7 | 187 | 13 | US-10-101-487-50 | Sequence 50, Appl |
| 41 | 215 | 16.7 | 191 | 13 | US-10-101-487-81 | Sequence 81, Appl |
| 42 | 215 | 16.7 | 198 | 13 | US-10-101-487-42 | Sequence 42, Appl |
| 43 | 215 | 16.7 | 200 | 13 | US-10-101-487-53 | Sequence 53, Appl |
| 44 | 215 | 16.7 | 240 | 13 | US-10-101-487-75 | Sequence 75, Appl |
| 45 | 215 | 16.7 | 350 | 13 | US-10-101-487-58 | Sequence 58, Appl |

ALIGNMENTS

RESULT 1
US-09-825-886-24
; Sequence 24, Application US/09825886
; Publication No. US20020076693A1
; GENERAL INFORMATION:
; APPLICANT: Hovanesian, Ara
; APPLICANT: Callebaut, Christian
; APPLICANT: Krust, Bernard
; APPLICANT: Jacotot, Etienne
; APPLICANT: Muller, Sylviane
; APPLICANT: Briand, Jean-Paul
; APPLICANT: Guichard, Giles
; TITLE OF INVENTION: A NOVEL CELL SURFACE RECEPTOR FOR HIV RETROVIRUSES,
; TITLE OF INVENTION: THERAPEUTIC AND DIAGNOSTIC USES.
; FILE REFERENCE: 03495.0166-01000
; CURRENT APPLICATION NUMBER: US/09/825,886
; CURRENT FILING DATE: 2001-07-26
; PRIOR APPLICATION NUMBER: 09/393,302
; PRIOR FILING DATE: 1999-09-10
; PRIOR APPLICATION NUMBER: PCT/EP98/01409
; PRIOR FILING DATE: 1998-03-12
; PRIOR APPLICATION NUMBER: 60/040,969
; PRIOR FILING DATE: 1997-03-12
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 24
; LENGTH: 249
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-825-886-24

Query Match 100.0%; Score 1288; DB 12; Length 249;
Best Local Similarity 100.0%; Pred. No. 2.4e-83;
Matches 249; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
OY 1 MEMGRIHLELRNTPSDVKLVNDRSNEKLEGLTDFEPELEPLSTINVLTSIANL 60
Db 1 MEMGRIHLELRNTPSDVKLVNDRSNEKLEGLTDFEPELEPLSTINVLTSIANL 60

QY 61 PKLNKLELSNDRVSGGLEVLAEKCPNLTNLGNKIKOLSTIEPLKLENKSLDL 120
DB 61 PKLNKLELSNDRVSGGLEVLAEKCPNLTNLGNKIKOLSTIEPLKLENKSLDL 120
QY 121 FNCVNTNLNDYRENVFKLLPOLTYLDGYDRDDKEAPSDAEGYVEGLDDEEEDDEBEYD 180
DB 121 FNCVNTNLNDYRENVFKLLPOLTYLDGYDRDDKEAPSDAEGYVEGLDDEEEDDEBEYD 180
QY 181 EDAQVVEDEDEDEEEREGEEDVSGREEDVSGYNDGEVDDEEDELGEERGGQKRE 240
DB 181 EDAQVVEDEDEDEEEREGEEDVSGREEDVSGYNDGEVDDEEDELGEERGGQKRE 240
QY 241 PEDEGEDDD 249
DB 241 PEDEGEDDD 249

RESULT 2
US-10-213-700-4
; Sequence 4, Application US/10213700
; Publication No. US20030022332A1
; GENERAL INFORMATION:
; APPLICANT: Bandman, Olga
; Goli, Surya K.
; TITLE OF INVENTION: NOVEL HUMAN PHOSPHATASE INHIBITOR PROTEIN
; CORRESPONDENCE ADDRESSES: 4
; ADDRESSES: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; FILING DATE: 06-Aug-2002
; APPLICATION NUMBER: US/10/213,700
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/766,738
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PP-0177 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-855-0555
; TELEFAX: 415-845-4166
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 249 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: GenBank
; CLONE: 403007
; SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-10-213-700-4
Query Match 100.0%; Score 1288; DB 14; Length 249;
Best Local Similarity 100.0%; Pred. No. 2.4e-83;
Matches 249; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MEMGRIHLELRNRTPSDVKELVLDNRSNEGKLEGLTDFEPELEFLSTINVLSTIANL 60
DB 1 MEMGRIHLELRNRTPSDVKELVLDNRSNEGKLEGLTDFEPELEFLSTINVLSTIANL 60

QY 61 PKLNKLELSNDRVSGGLEVLAEKCPNLTNLGNKIKOLSTIEPLKLENKSLDL 120
DB 61 PKLNKLELSNDRVSGGLEVLAEKCPNLTNLGNKIKOLSTIEPLKLENKSLDL 120
QY 121 FNCVNTNLNDYRENVFKLLPOLTYLDGYDRDDKEAPSDAEGYVEGLDDEEEDDEBEYD 180
DB 121 FNCVNTNLNDYRENVFKLLPOLTYLDGYDRDDKEAPSDAEGYVEGLDDEEEDDEBEYD 180
QY 181 EDAQVVEDEDEDEEEREGEEDVSGREEDVSGYNDGEVDDEEDELGEERGGQKRE 240
DB 181 EDAQVVEDEDEDEEEREGEEDVSGREEDVSGYNDGEVDDEEDELGEERGGQKRE 240
QY 241 PEDEGEDDD 249
DB 241 PEDEGEDDD 249

RESULT 3
US-10-273-334-14
; Sequence 14, Application US/10273334
; Publication No. US20030129631A1
; GENERAL INFORMATION:
; APPLICANT: Pasternack, Gary R.
; APPLICANT: Kochevar, Gerald J.
; APPLICANT: Brody, Jonathan R.
; APPLICANT: Kodkol, Shrinani S.
; TITLE OF INVENTION: GENE FAMILY WITH TRANSFORMATION MODULATING ACTIVITY
; FILE REFERENCE: 031787.0076
; CURRENT APPLICATION NUMBER: US/10/273,334
; CURRENT FILING DATE: 2002-10-18
; PRIOR APPLICATION NUMBER: US/09/591,500
; PRIOR FILING DATE: 2000-12-06
; PRIOR APPLICATION NUMBER: PCT/US98/26433
; PRIOR FILING DATE: 1998-12-11
; PRIOR APPLICATION NUMBER: US 60/069,677
; PRIOR FILING DATE: 1997-12-11
; NUMBER OF SEQ ID NOS: 51
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 14
; LENGTH: 249
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-273-334-14

Query Match 100.0%; Score 1288; DB 14; Length 249;
Best Local Similarity 100.0%; Pred. No. 2.4e-83;
Matches 249; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MEMGRIHLELRNRTPSDVKELVLDNRSNEGKLEGLTDFEPELEFLSTINVLSTIANL 60
DB 1 MEMGRIHLELRNRTPSDVKELVLDNRSNEGKLEGLTDFEPELEFLSTINVLSTIANL 60
QY 61 PKLNKLELSNDRVSGGLEVLAEKCPNLTNLGNKIKOLSTIEPLKLENKSLDL 120
DB 61 PKLNKLELSNDRVSGGLEVLAEKCPNLTNLGNKIKOLSTIEPLKLENKSLDL 120
QY 121 FNCVNTNLNDYRENVFKLLPOLTYLDGYDRDDKEAPSDAEGYVEGLDDEEEDDEBEYD 180
DB 121 FNCVNTNLNDYRENVFKLLPOLTYLDGYDRDDKEAPSDAEGYVEGLDDEEEDDEBEYD 180
QY 181 EDAQVVEDEDEDEEEREGEEDVSGREEDVSGYNDGEVDDEEDELGEERGGQKRE 240
DB 181 EDAQVVEDEDEDEEEREGEEDVSGREEDVSGYNDGEVDDEEDELGEERGGQKRE 240
QY 241 PEDEGEDDD 249
DB 241 PEDEGEDDD 249

RESULT 4
US-10-273-334-29
; Sequence 29, Application US/10273334

```
Publication No. US20030129631A1
GENERAL INFORMATION:
APPLICANT: Pasternack, Gary R.
APPLICANT: Kocheavar, Gerald J.
APPLICANT: Brody, Jonathan R.
APPLICANT: Kodkol, Shrihari S.
TITLE OF INVENTION: GENE FAMILY WITH TRANSFORMATION MODULATING ACTIVITY
FILE REFERENCE: 031787.0076
CURRENT APPLICATION NUMBER: US/10/273,334
CURRENT FILING DATE: 2002-10-18
PRIOR APPLICATION NUMBER: US/09/591,500
PRIOR FILING DATE: 2000-12-06
PRIOR APPLICATION NUMBER: PCT/US98/26433
PRIOR FILING DATE: 1998-12-11
PRIOR APPLICATION NUMBER: US 60/069,677
PRIOR FILING DATE: 1997-12-11
NUMBER OF SEQ ID NOS: 51
SOFTWARE: PatentIn version 3.1
SEQ ID NO 29
LENGTH: 249
TYPE: PRT
ORGANISM: Homo sapiens
US-10-273-334-29

Query Match 99.3%; Score 1279; DB 14; Length 249;
Best Local Similarity 99.6%; Pred. No. 1e-82;
Matches 248; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 MEMGRIHLELRNRTPSDVKELVLDNSRNEKLEGLTDFEELFSTINVLTSIANL 60
DB 1 MEMGRIHLELRNRTPSDVKELVLDNSRNEKLEGLTDFEELFSTINVLTSIANL 60
QY 61 PKLNKLLKLELSDNRVSGGLEVLAEKCPNLTHLNSGNKIKDLSITIEPLKLENKSLDL 120
DB 61 PKLNKLLKLELSDNRVSGGLEVLAEKCPNLTHLNSGNKIKDLSITIEPLKLENKSLDL 120
QY 121 FNCVETNLNDYRENVFKLLPQLYLDGYDRDDKEAPSDAEGYVEGLDDEDEDEEYD 180
DB 121 FNCVETNLNDYRENVFKLLPQLYLDGYDRDDKEAPSDAEGYVEGLDDEDEDEEYD 180
QY 181 EDAQVVEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDE 240
DB 181 EDAQVVEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDE 240
QY 241 PEDEGEDDD 249
DB 241 PEDEGEDDD 249

RESULT 5
US-10-273-334-10
Sequence 10, Application US/10273334
Publication No. US20030129631A1
GENERAL INFORMATION:
APPLICANT: Pasternack, Gary R.
APPLICANT: Kocheavar, Gerald J.
APPLICANT: Brody, Jonathan R.
APPLICANT: Kodkol, Shrihari S.
TITLE OF INVENTION: GENE FAMILY WITH TRANSFORMATION MODULATING ACTIVITY
FILE REFERENCE: 031787.0076
CURRENT APPLICATION NUMBER: US/10/273,334
CURRENT FILING DATE: 2002-10-18
PRIOR APPLICATION NUMBER: US/09/591,500
PRIOR FILING DATE: 2000-12-06
PRIOR APPLICATION NUMBER: PCT/US98/26433
PRIOR FILING DATE: 1998-12-11
PRIOR APPLICATION NUMBER: US 60/069,677
PRIOR FILING DATE: 1997-12-11
NUMBER OF SEQ ID NOS: 51
SOFTWARE: PatentIn version 3.1
SEQ ID NO 10
LENGTH: 249
TYPE: PRT
ORGANISM: Homo sapiens
US-10-273-334-10

Query Match 94.6%; Score 1218; DB 14; Length 249;
Best Local Similarity 94.4%; Pred. No. 2.1e-78;
Matches 235; Conservative 6; Mismatches 8; Indels 0; Gaps 0;
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ORGANISM: Homo sapiens
US-10-273-334-10

Query Match 97.4%; Score 1255; DB 14; Length 249;
Best Local Similarity 98.0%; Pred. No. 5.1e-81;
Matches 244; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 1 MEMGRIHLELRNRTPSDVKELVLDNSRNEKLEGLTDFEELFSTINVLTSIANL 60
DB 1 MEMGRIHLELRNRTPSDVKELVLDNSRNEKLEGLTDFEELFSTINVLTSIANL 60
QY 61 PKLNKLLKLELSDNRVSGGLEVLAEKCPNLTHLNSGNKIKDLSITIEPLKLENKSLDL 120
DB 61 PKLNKLLKLELSDNRVSGGLEVLAEKCPNLTHLNSGNKIKDLSITIEPLKLENKSLDL 120
QY 121 FNCVETNLNDYRENVFKLLPQLYLDGYDRDDKEAPSDAEGYVEGLDDEDEDEEYD 180
DB 121 FNCVETNLNDYRENVFKLLPQLYLDGYDRDDKEAPSDAEGYVEGLDDEDEDEEYD 180
QY 181 EDAQVVEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDE 240
DB 181 EDAQVVEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDE 240
QY 241 PEDEGEDDD 249
DB 241 PEDEGEDDD 249

RESULT 6
US-10-273-334-12
Sequence 12, Application US/10273334
Publication No. US20030129631A1
GENERAL INFORMATION:
APPLICANT: Pasternack, Gary R.
APPLICANT: Kocheavar, Gerald J.
APPLICANT: Brody, Jonathan R.
APPLICANT: Kodkol, Shrihari S.
TITLE OF INVENTION: GENE FAMILY WITH TRANSFORMATION MODULATING ACTIVITY
FILE REFERENCE: 031787.0076
CURRENT APPLICATION NUMBER: US/10/273,334
CURRENT FILING DATE: 2002-10-18
PRIOR APPLICATION NUMBER: US/09/591,500
PRIOR FILING DATE: 2000-12-06
PRIOR APPLICATION NUMBER: PCT/US98/26433
PRIOR FILING DATE: 1998-12-11
PRIOR APPLICATION NUMBER: US 60/069,677
PRIOR FILING DATE: 1997-12-11
NUMBER OF SEQ ID NOS: 51
SOFTWARE: PatentIn version 3.1
SEQ ID NO 12
LENGTH: 249
TYPE: PRT
ORGANISM: Homo sapiens
US-10-273-334-12

Query Match 94.6%; Score 1218; DB 14; Length 249;
Best Local Similarity 94.4%; Pred. No. 2.1e-78;
Matches 235; Conservative 6; Mismatches 8; Indels 0; Gaps 0;
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Db 181 EDAQVVEDEDEDEEERGEDVSGEEDSEGYNDGEVDDSEDEBELGEERQKRG 240
Qy 241 PEDEGEDDD 249
Db 241 PEDEGEDDD 249

RESULT 7
US-10-273-334-34
; Sequence 34, Application US/10273334
; Publication No. US20030129631A1
; GENERAL INFORMATION:
; APPLICANT: Pasternack, Gary R.
; APPLICANT: Kocheavar, Gerald J.
; APPLICANT: Brody, Jonathan R.
; APPLICANT: Kodkol, Shrihari S.
; TITLE OF INVENTION: GENE FAMILY WITH TRANSFORMATION MODULATING ACTIVITY
; FILE REFERENCE: 031787.0076
; CURRENT APPLICATION NUMBER: US/10/273.334
; CURRENT FILING DATE: 2002-10-18
; PRIOR FILING DATE: US/09/591,500
; PRIOR FILING DATE: 2000-12-06
; PRIOR APPLICATION NUMBER: PCT/US98/26433
; PRIOR FILING DATE: 1998-12-11
; PRIOR APPLICATION NUMBER: US 60/069,677
; PRIOR FILING DATE: 1997-12-11
; NUMBER OF SEQ ID NOS: 51
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 34
; LENGTH: 249
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-273-334-34

Query Match 93.2%; Score 1201; DB 14; Length 249;
Best Local Similarity 98.7%; Pred. No. 3.3e-77;
Matches 235; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 MEMGRIHLELRNRTSPDVKELVLDNSRSNEGKLEGLTDEFELEFLSTINVLSTIANL 60
Db 1 MEMGRIHLELRNRTSPDVKELVLDNSRSNEGKLEGLTDEFELEFLSTINVLSTIANL 60
Qy 61 PKLNLKLELSNDRVSGGLEVLAEKCPNLTHLNLGNKIKDLSLTIPLKLENKSLDL 120
Db 61 PKLNLKLELSNDRVSGGLEVLAEKCPNLTHLNLGNKIKDLSLTIPLKLENKSLDL 120
Qy 121 FNCVETNLNDYRENVFKLLPOLTYLDGYDRDKKAPDSDAEGYVEGLDDEEEDEREYD 180
Db 121 FNCVETNLNDYRENVFKLLPOLTYLDGYDRDKKAPDSDAEGYVEGLDDEEEDEREYD 180
Qy 181 EDAQVVEDEDEDEEERGEDVSGEEDSEGYNDGEVDDSEDEBELGEERQKRG 238
Db 181 EDAQVVEDEDEDEEERGEDVSGEEDSEGYNDGEVDDSEDEBELGEERQKRG 238

RESULT 8
US-10-273-334-24
; Sequence 24, Application US/10273334
; Publication No. US20030129631A1
; GENERAL INFORMATION:
; APPLICANT: Pasternack, Gary R.
; APPLICANT: Kocheavar, Gerald J.
; APPLICANT: Brody, Jonathan R.
; APPLICANT: Kodkol, Shrihari S.
; TITLE OF INVENTION: GENE FAMILY WITH TRANSFORMATION MODULATING ACTIVITY
; FILE REFERENCE: 031787.0076
; CURRENT APPLICATION NUMBER: US/10/273.334
; CURRENT FILING DATE: 2002-10-18
; PRIOR FILING DATE: US/09/591,500
; PRIOR APPLICATION NUMBER: PCT/US98/26433
; PRIOR FILING DATE: 1998-12-11
; PRIOR APPLICATION NUMBER: US 60/069,677
; PRIOR FILING DATE: 1997-12-11
; NUMBER OF SEQ ID NOS: 51
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 24
; LENGTH: 234
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-273-334-24

Query Match 77.8%; Score 1002; DB 14; Length 234;
Best Local Similarity 86.1%; Pred. No. 3.4e-63;
Matches 205; Conservative 8; Mismatches 21; Indels 4; Gaps 2;

Qy 1 MEMGRIHLELRNRTSPDVKELVLDNSRSNEGKLEGLTDEFELEFLSTINVLSTIANL 60
Db 1 MEMGRIHLELRNRTSPDVKELVLDNSRSNEGKLEGLTDEFELEFLSTINVLSTIANL 60
Qy 61 PKLNLKLELSNDRVSGGLEVLAEKCPNLTHLNLGNKIKDLSLTIPLKLENKSLDL 120
Db 61 PKLNLKLELSNDRVSGGLEVLAEKCPNLTHLNLGNKIKDLSLTIPLKLENKSLDL 120
Qy 121 FNCVETNLNDYRENVFKLLPOLTYLDGYDRDKKAPDSDAEGYVEGLDDEEEDEREYD 180
Db 121 FNCVETNLNDYRENVFKLLPOLTYLDGYDRDKKAPDSDAEGYVEGLDDEEEDEREYD 180
Qy 177 EDAQVVEDEDEDEEERGEDVSGEEDSEGYNDGEVDDSEDEBELGEERQKRG 234
Db 177 EDAQVVEDEDEDEEERGEDVSGEEDSEGYNDGEVDDSEDEBELGEERQKRG 234

RESULT 9
US-10-273-334-22
; Sequence 22, Application US/10273334
; Publication No. US20030129631A1
; GENERAL INFORMATION:
; APPLICANT: Pasternack, Gary R.
; APPLICANT: Kocheavar, Gerald J.
; APPLICANT: Brody, Jonathan R.
; APPLICANT: Kodkol, Shrihari S.
; TITLE OF INVENTION: GENE FAMILY WITH TRANSFORMATION MODULATING ACTIVITY
; FILE REFERENCE: 031787.0076
; CURRENT APPLICATION NUMBER: US/10/273.334
; CURRENT FILING DATE: 2002-10-18
; PRIOR FILING DATE: US/09/591,500
; PRIOR APPLICATION NUMBER: PCT/US98/26433
; PRIOR FILING DATE: 1998-12-11
; PRIOR APPLICATION NUMBER: US 60/069,677
; PRIOR FILING DATE: 1997-12-11
; NUMBER OF SEQ ID NOS: 51
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 22
; LENGTH: 234
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-273-334-22

Query Match 77.8%; Score 1002; DB 14; Length 234;
Best Local Similarity 86.1%; Pred. No. 3.4e-63;
Matches 205; Conservative 8; Mismatches 21; Indels 4; Gaps 2;

Qy 1 MEMGRIHLELRNRTSPDVKELVLDNSRSNEGKLEGLTDEFELEFLSTINVLSTIANL 60
Db 1 MEMGRIHLELRNRTSPDVKELVLDNSRSNEGKLEGLTDEFELEFLSTINVLSTIANL 60
Qy 61 PKLNLKLELSNDRVSGGLEVLAEKCPNLTHLNLGNKIKDLSLTIPLKLENKSLDL 120
Db 61 PKLNLKLELSNDRVSGGLEVLAEKCPNLTHLNLGNKIKDLSLTIPLKLENKSLDL 120
Qy 121 FNCVETNLNDYRENVFKLLPOLTYLDGYDRDKKAPDSDAEGYVEGLDDEEEDEREYD 180
Db 121 FNCVETNLNDYRENVFKLLPOLTYLDGYDRDKKAPDSDAEGYVEGLDDEEEDEREYD 180
Qy 177 EDAQVVEDEDEDEEERGEDVSGEEDSEGYNDGEVDDSEDEBELGEERQKRG 234
Db 177 EDAQVVEDEDEDEEERGEDVSGEEDSEGYNDGEVDDSEDEBELGEERQKRG 234
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Search completed: June 24, 2004, 11:03:14
Job time : 40.2112 secs

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OM protein - protein search, using sw model

Run on: June 24, 2004, 10:51:52 ; Search time 37.7888 Seconds
(without alignments)
1748.173 Million cell updates/sec

Title: US-09-591-500A-4

Perfect score: 1216

Sequence: 1 MEMGRIHSELNRPASDVK.....VDGEDEELGEBERQK 234

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1163542 seqs, 282313646 residues

Total number of hits satisfying chosen parameters: 1163542

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | DB ID | Description |
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| 1 | 1216 | 100.0 | 234 | 14 | US-10-273-334-2 |
| 2 | 1216 | 100.0 | 234 | 14 | US-10-273-334-49 |
| 3 | 1209 | 99.4 | 234 | 14 | US-10-273-334-16 |
| 4 | 1209 | 99.4 | 234 | 14 | US-10-273-334-22 |
| 5 | 1161 | 95.5 | 234 | 14 | US-10-273-334-24 |
| 6 | 1019 | 83.8 | 249 | 14 | US-10-273-334-34 |
| 7 | 1001 | 82.3 | 249 | 12 | US-09-825-886-24 |
| 8 | 1001 | 82.3 | 249 | 14 | US-10-213-700-4 |
| 9 | 1001 | 82.3 | 249 | 14 | US-10-273-334-14 |
| 10 | 932 | 81.6 | 249 | 14 | US-10-273-334-29 |
| 11 | 974 | 80.1 | 249 | 14 | US-10-273-334-10 |
| 12 | 940 | 77.3 | 249 | 14 | US-10-273-334-12 |
| 13 | 683.5 | 56.2 | 251 | 14 | US-10-213-700-3 |
| 14 | 676.5 | 55.6 | 251 | 14 | US-10-213-700-1 |
| 15 | 618 | 50.8 | 268 | 15 | US-10-104-047-3158 |
| | | | | | Sequence 3158, Ap |
| | | | | | Sequence 2, Appli |
| | | | | | Sequence 49, Appli |
| | | | | | Sequence 16, Appli |
| | | | | | Sequence 22, Appli |
| | | | | | Sequence 24, Appli |
| | | | | | Sequence 34, Appli |
| | | | | | Sequence 24, Appli |
| | | | | | Sequence 4, Appli |
| | | | | | Sequence 14, Appli |
| | | | | | Sequence 29, Appli |
| | | | | | Sequence 10, Appli |
| | | | | | Sequence 12, Appli |
| | | | | | Sequence 3, Appli |
| | | | | | Sequence 1, Appli |

| | | | | | | |
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| 16 | 532 | 43.8 | 130 | 14 | US-10-273-334-31 | Sequence 31, Appli |
| 17 | 512 | 42.1 | 130 | 14 | US-10-273-334-5 | Sequence 5, Appli |
| 18 | 492 | 40.5 | 130 | 14 | US-10-273-334-8 | Sequence 8, Appli |
| 19 | 492 | 40.5 | 130 | 14 | US-10-273-334-18 | Sequence 18, Appli |
| 20 | 492 | 40.5 | 130 | 14 | US-10-273-334-20 | Sequence 20, Appli |
| 21 | 492 | 40.5 | 130 | 14 | US-10-273-334-27 | Sequence 27, Appli |
| 22 | 482 | 39.6 | 131 | 14 | US-10-273-334-48 | Sequence 48, Appli |
| 23 | 478 | 39.3 | 218 | 15 | US-10-108-260A-3032 | Sequence 3032, Ap |
| 24 | 287.5 | 23.6 | 295 | 12 | US-10-424-599-239171 | Sequence 239171, Ap |
| 25 | 175 | 14.4 | 76 | 13 | US-10-101-487-36 | Sequence 36, Appli |
| 26 | 174 | 14.3 | 542 | 12 | US-10-205-331-57 | Sequence 57, Appli |
| 27 | 173 | 14.2 | 180 | 13 | US-10-101-487-116 | Sequence 116, App |
| 28 | 173 | 14.2 | 197 | 13 | US-10-101-487-51 | Sequence 51, Appli |
| 29 | 171 | 14.1 | 197 | 13 | US-10-101-487-114 | Sequence 114, App |
| 30 | 170 | 14.0 | 200 | 13 | US-10-101-487-53 | Sequence 53, Appli |
| 31 | 169 | 13.9 | 179 | 13 | US-10-101-487-107 | Sequence 107, App |
| 32 | 169 | 13.9 | 181 | 13 | US-10-101-487-45 | Sequence 45, Appli |
| 33 | 166 | 13.7 | 176 | 13 | US-10-101-487-70 | Sequence 70, Appli |
| 34 | 166 | 13.7 | 177 | 13 | US-10-101-487-48 | Sequence 48, Appli |
| 35 | 166 | 13.7 | 177 | 13 | US-10-101-487-115 | Sequence 115, App |
| 36 | 166 | 13.7 | 179 | 13 | US-10-101-487-46 | Sequence 46, Appli |
| 37 | 166 | 13.7 | 186 | 13 | US-10-101-487-44 | Sequence 44, Appli |
| 38 | 166 | 13.7 | 187 | 13 | US-10-101-487-50 | Sequence 50, Appli |
| 39 | 166 | 13.7 | 191 | 13 | US-10-101-487-81 | Sequence 81, Appli |
| 40 | 166 | 13.7 | 198 | 13 | US-10-101-487-42 | Sequence 42, Appli |
| 41 | 165 | 13.6 | 174 | 13 | US-10-101-487-72 | Sequence 72, Appli |
| 42 | 165 | 13.6 | 175 | 13 | US-10-101-487-57 | Sequence 57, Appli |
| 43 | 165 | 13.6 | 176 | 13 | US-10-101-487-56 | Sequence 56, Appli |
| 44 | 165 | 13.6 | 240 | 13 | US-10-101-487-75 | Sequence 75, Appli |
| 45 | 165 | 13.6 | 350 | 13 | US-10-101-487-58 | Sequence 58, Appli |

ALIGNMENTS

RESULT 1

US-10-273-334-2
; Sequence 2, Application US/10273334
; Publication No. US20030129631A1
; GENERAL INFORMATION:
; APPLICANT: Pasternack, Gary R.
; APPLICANT: Kochevar, Gerald J.
; APPLICANT: Brody, Jonathan R.
; APPLICANT: Kodkol, Shihari S.
; TITLE OF INVENTION: GENE FAMILY WITH TRANSFORMATION MODULATING ACTIVITY
; FILE REFERENCE: 031987.0076
; CURRENT APPLICATION NUMBER: US/10/273,334
; CURRENT FILING DATE: 2002-10-18
; PRIOR FILING DATE: 2000-12-06
; PRIOR APPLICATION NUMBER: PCT/US98/26433
; PRIOR FILING DATE: 1998-12-11
; PRIOR APPLICATION NUMBER: US 60/069,677
; PRIOR FILING DATE: 1997-12-11
; NUMBER OF SEQ ID NOS: 51
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 234
; TYPE: PPT
; ORGANISM: Homo sapiens
US-10-273-334-2

Query Match 100.0%; Score 1216; DB 14; Length 234;

Best Local Similarity 100.0%; Pred. No. 1.1e-88;

Matches 234; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

| | | | |
|----|----|---|-----|
| QY | 1 | MEMGRIHSELNRPASDVKELALNSNSNECKEALTEPEELFKINGLTSIDL | 60 |
| DB | 1 | MEMGRIHSELNRPASDVKELALNSNSNECKEALTEPEELFKINGLTSIDL | 60 |
| QY | 61 | PKLKLKLELRVSGGLEVLAKCPNLTLYLSGNKIKDLSTIEPLKQLENKSLDLFNC | 120 |
| DB | 61 | PKLKLKLELRVSGGLEVLAKCPNLTLYLSGNKIKDLSTIEPLKQLENKSLDLFNC | 120 |

QY 121 VTNLNDYGENVFKLLQLTYLDSYWDHKEAPYSDIEDHVEGLDDEEGEHEEYDADAQ 180
DB 121 VTNLNDYGENVFKLLQLTYLDSYWDHKEAPYSDIEDHVEGLDDEEGEHEEYDADAQ 180
QY 181 VVEDEEGEHEEHEEEDVSGDEEDDEGYNDEVDGDEDEEELGEEERGQK 234
DB 181 VVEDEEGEHEEHEEEDVSGDEEDDEGYNDEVDGDEDEEELGEEERGQK 234

RESULT 2

US-10-273-334-49
; Sequence 49, Application US/10273334
; Publication No. US20030129631A1
; GENERAL INFORMATION:
; APPLICANT: Pasternack, Gary R.
; APPLICANT: Kocheavar, Gerald J.
; APPLICANT: Brody, Jonathan R.
; APPLICANT: Kodkol, Shrihari S.
; TITLE OF INVENTION: GENE FAMILY WITH TRANSFORMATION MODULATING ACTIVITY
; FILE REFERENCE: 031787.0076
; CURRENT APPLICATION NUMBER: US/10/273.334
; PRIOR FILING DATE: 2002-10-18
; PRIOR FILING DATE: 2002-10-18
; PRIOR FILING DATE: 2000-12-06
; PRIOR FILING DATE: 2000-12-06
; PRIOR FILING DATE: 1998-12-11
; PRIOR FILING DATE: 1998-12-11
; PRIOR FILING DATE: 1998-12-11
; PRIOR FILING DATE: 1997-12-11
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 49
; LENGTH: 234
; TYPE: PRT
; ORGANISM: Homo sapiens

US-10-273-334-49

Query Match 100.0%; Score 1216; DB 14; Length 234;
Best Local Similarity 100.0%; Pred. No. 1.1e-88;
Matches 234; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MEMGRIHSELNRAPSDVKELALDNRSGKLEALTDPEEELFSLKNGGUTSISDL 60
DB 1 MEMGRIHSELNRAPSDVKELALDNRSGKLEALTDPEEELFSLKNGGUTSISDL 60
QY 61 PKLKLKLELRVSGGLEVLAEKCPNLTHLYLSGNKIKDLSLTIPLKQLENKSLDLFNCE 120
DB 61 PKLKLKLELRVSGGLEVLAEKCPNLTHLYLSGNKIKDLSLTIPLKQLENKSLDLFNCE 120
QY 121 VTNLNDYGENVFKLLQLTYLDSYWDHKEAPYSDIEDHVEGLDDEEGEHEEYDADAQ 180
DB 121 VTNLNDYGENVFKLLQLTYLDSYWDHKEAPYSDIEDHVEGLDDEEGEHEEYDADAQ 180
QY 181 VVEDEEGEHEEHEEEDVSGDEEDDEGYNDEVDGDEDEEELGEEERGQK 234
DB 181 VVEDEEGEHEEHEEEDVSGDEEDDEGYNDEVDGDEDEEELGEEERGQK 234

RESULT 3

US-10-273-334-16
; Sequence 16, Application US/10273334
; Publication No. US20030129631A1
; GENERAL INFORMATION:
; APPLICANT: Pasternack, Gary R.
; APPLICANT: Kocheavar, Gerald J.
; APPLICANT: Brody, Jonathan R.
; APPLICANT: Kodkol, Shrihari S.
; TITLE OF INVENTION: GENE FAMILY WITH TRANSFORMATION MODULATING ACTIVITY
; FILE REFERENCE: 031787.0076
; CURRENT APPLICATION NUMBER: US/10/273.334
; PRIOR FILING DATE: 2002-10-18
; PRIOR FILING DATE: 2002-10-18
; PRIOR FILING DATE: 2000-12-06

; PRIOR APPLICATION NUMBER: PCT/US98/26433
; PRIOR FILING DATE: 1998-12-11
; PRIOR APPLICATION NUMBER: US 60/069,677
; PRIOR FILING DATE: 1997-12-11
; NUMBER OF SEQ ID NOS: 51
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 16
; LENGTH: 234
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-273-334-16

Query Match 99.4%; Score 1209; DB 14; Length 234;
Best Local Similarity 99.6%; Pred. No. 3.9e-88;
Matches 233; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 MEMGRIHSELNRAPSDVKELALDNRSGKLEALTDPEEELFSLKNGGUTSISDL 60
DB 1 MEMGRIHSELNRAPSDVKELALDNRSGKLEALTDPEEELFSLKNGGUTSISDL 60
QY 61 PKLKLKLELRVSGGLEVLAEKCPNLTHLYLSGNKIKDLSLTIPLKQLENKSLDLFNCE 120
DB 61 PKLKLKLELRVSGGLEVLAEKCPNLTHLYLSGNKIKDLSLTIPLKQLENKSLDLFNCE 120
QY 121 VTNLNDYGENVFKLLQLTYLDSYWDHKEAPYSDIEDHVEGLDDEEGEHEEYDADAQ 180
DB 121 VTNLNDYGENVFKLLQLTYLDSYWDHKEAPYSDIEDHVEGLDDEEGEHEEYDADAQ 180
QY 181 VVEDEEGEHEEHEEEDVSGDEEDDEGYNDEVDGDEDEEELGEEERGQK 234
DB 181 VVEDEEGEHEEHEEEDVSGDEEDDEGYNDEVDGDEDEEELGEEERGQK 234

RESULT 4

US-10-273-334-22
; Sequence 22, Application US/10273334
; Publication No. US20030129631A1
; GENERAL INFORMATION:
; APPLICANT: Pasternack, Gary R.
; APPLICANT: Kocheavar, Gerald J.
; APPLICANT: Brody, Jonathan R.
; APPLICANT: Kodkol, Shrihari S.
; TITLE OF INVENTION: GENE FAMILY WITH TRANSFORMATION MODULATING ACTIVITY
; FILE REFERENCE: 031787.0076
; CURRENT APPLICATION NUMBER: US/10/273.334
; PRIOR FILING DATE: 2002-10-18
; PRIOR FILING DATE: 2002-10-18
; PRIOR FILING DATE: 2000-12-06
; PRIOR FILING DATE: 2000-12-06
; PRIOR FILING DATE: 1998-12-11
; PRIOR FILING DATE: 1998-12-11
; PRIOR FILING DATE: 1997-12-11
; NUMBER OF SEQ ID NOS: 51
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 22
; LENGTH: 234
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-273-334-22

Query Match 99.4%; Score 1209; DB 14; Length 234;
Best Local Similarity 99.1%; Pred. No. 3.9e-88;
Matches 232; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 MEMGRIHSELNRAPSDVKELALDNRSGKLEALTDPEEELFSLKNGGUTSISDL 60
DB 1 MEMGRIHSELNRAPSDVKELALDNRSGKLEALTDPEEELFSLKNGGUTSISDL 60
QY 61 PKLKLKLELRVSGGLEVLAEKCPNLTHLYLSGNKIKDLSLTIPLKQLENKSLDLFNCE 120
DB 61 PKLKLKLELRVSGGLEVLAEKCPNLTHLYLSGNKIKDLSLTIPLKQLENKSLDLFNCE 120
QY 121 VTNLNDYGENVFKLLQLTYLDSYWDHKEAPYSDIEDHVEGLDDEEGEHEEYDADAQ 180

Db 121 VTNLNDYGENVFKLLQLTYLDSYWDHKEAPYSIDIEDHVEGLDDDEEGEHEEYDEDAQ 180
QY 181 VVEDEGEHEEGBEDVSGDEDEEGYNDGVEVDGDEDEEELGSEERGGQK 234
Db 181 VVEDEGEHEEGBEDVSGDEDEEGYNDGVEVDGDEDEEELGSEERGGQK 234

RESULT 5

US-10-273-334-24
; Sequence 24, Application US/10273334
; Publication No. US20030129631A1
; GENERAL INFORMATION:
; APPLICANT: Pasternack, Gary R.
; APPLICANT: Kocheavar, Gerald J.
; APPLICANT: Brody, Jonathan R.
; APPLICANT: Kodkol, Shrihari S.
; TITLE OF INVENTION: GENE FAMILY WITH TRANSFORMATION MODULATING ACTIVITY
; FILE REFERENCE: 031787.0076
; CURRENT APPLICATION NUMBER: US/10/273,334
; CURRENT FILING DATE: 2002-10-18
; PRIOR APPLICATION NUMBER: US/09/591,500
; PRIOR FILING DATE: 2000-12-06
; PRIOR APPLICATION NUMBER: PCT/US98/26433
; PRIOR FILING DATE: 1998-12-11
; PRIOR APPLICATION NUMBER: US 60/069,677
; PRIOR FILING DATE: 1997-12-11
; NUMBER OF SEQ ID NOS: 51
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 24
; LENGTH: 234
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-273-334-24

Query Match 95.5%; Score 1161; DB 14; Length 234;
Best Local Similarity 95.7%; Pred. No. 2.5e-84;
Matches 224; Conservative 2; Mismatches 8; Indels 0; Gaps 0;
QY 1 MEMGRIHSELNRAPSDVKELALDNRSGNEKLEALTDPEFEFLSKINGLTSIDL 60
Db 1 MEMGRIHSELNRTPSDVKELVLDNRSGNEKLEGLTDFEFLFLSTINVLTSIANL 60
QY 61 PKLKLRLVSGGLEVLAEKCPNLTHLYLSGNKIKDLSLTIPLKOLENLSIDL 120
Db 61 PKLKLRLVSGGLEVLAEKCPNLTHLYLSGNKIKDLSLTIPLKOLENLSIDL 120
QY 121 VTNLNDYGENVFKLLQLTYLDSYWDHKEAPYSIDIEDHVEGLDDDEEGEHEEYDEDAQ 180
Db 121 VTNLNDYGENVFKLLQLTYLDSYWDHKEAPYSIDIEDHVEGLDDDEEGEHEEYDEDAQ 180
QY 181 VVEDEGEHEEGBEDVSGDEDEEGYNDGVEVDGDEDEEELGSEERGGQK 234
Db 181 VVEDEGEHEEGBEDVSGDEDEEGYNDGVEVDGDEDEEELGSEERGGQK 234

RESULT 6

US-10-273-334-34
; Sequence 34, Application US/10273334
; Publication No. US20030129631A1
; GENERAL INFORMATION:
; APPLICANT: Pasternack, Gary R.
; APPLICANT: Kocheavar, Gerald J.
; APPLICANT: Brody, Jonathan R.
; APPLICANT: Kodkol, Shrihari S.
; TITLE OF INVENTION: GENE FAMILY WITH TRANSFORMATION MODULATING ACTIVITY
; FILE REFERENCE: 031787.0076
; CURRENT APPLICATION NUMBER: US/10/273,334
; CURRENT FILING DATE: 2002-10-18
; PRIOR APPLICATION NUMBER: US/09/591,500
; PRIOR FILING DATE: 2000-12-06
; PRIOR APPLICATION NUMBER: PCT/US98/26433
; PRIOR FILING DATE: 1998-12-11

; PRIOR APPLICATION NUMBER: US 60/069,677
; PRIOR FILING DATE: 1997-12-11
; NUMBER OF SEQ ID NOS: 51
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 34
; LENGTH: 249
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-273-334-34

Query Match 83.8%; Score 1019; DB 14; Length 249;
Best Local Similarity 87.0%; Pred. No. 5e-73;
Matches 207; Conservative 7; Mismatches 20; Indels 4; Gaps 2;
QY 1 MEMGRIHSELNRAPSDVKELALDNRSGNEKLEALTDPEFEFLSKINGLTSIDL 60
Db 1 MEMGRIHSELNRTPSDVKELVLDNRSGNEKLEGLTDFEFLFLSTINVLTSIANL 60
QY 61 PKLKLRLVSGGLEVLAEKCPNLTHLYLSGNKIKDLSLTIPLKOLENLSIDL 116
Db 61 PKLKLRLVSGGLEVLAEKCPNLTHLYLSGNKIKDLSLTIPLKOLENLSIDL 120
QY 117 FNCVTLNDYGENVFKLLQLTYLDSYWDHKEAPYSIDIEDHVEGLDDDEEGEHEEYD 176
Db 121 FNCVTLNDYGENVFKLLQLTYLDSYWDHKEAPYSIDIEDHVEGLDDDEEGEHEEYD 180
QY 177 EDAQVVEDEGEHEEGBEDVSGDEDEEGYNDGVEVDGDEDEEELGSEERGGQK 234
Db 181 EDAQVVEDEGEHEEGBEDVSGDEDEEGYNDGVEVDGDEDEEELGSEERGGQK 238

RESULT 7

US-09-825-886-24
; Sequence 24, Application US/09825886
; Publication No. US20020076693A1
; GENERAL INFORMATION:
; APPLICANT: Hovanessian, Ara
; APPLICANT: Callebaut, Christian
; APPLICANT: Krust, Bernard
; APPLICANT: Jacotot, Etienne
; APPLICANT: Muller, Sylviane
; APPLICANT: Briand, Jean-Paul
; APPLICANT: Guichard, Giles
; TITLE OF INVENTION: A NOVEL CELL SURFACE RECEPTOR FOR HIV RETROVIRUSES,
; TITLE OF INVENTION: THERAPEUTIC AND DIAGNOSTIC USES.
; FILE REFERENCE: 03495-0166-01000
; CURRENT APPLICATION NUMBER: US/09/825,886
; PRIOR FILING DATE: 2001-07-26
; PRIOR APPLICATION NUMBER: 09/393,302
; PRIOR FILING DATE: 1999-09-10
; PRIOR APPLICATION NUMBER: PCT/EP98/01409
; PRIOR FILING DATE: 1998-03-12
; PRIOR APPLICATION NUMBER: 60/040,969
; PRIOR FILING DATE: 1997-03-12
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 24
; LENGTH: 249
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-825-886-24

Query Match 82.3%; Score 1001; DB 12; Length 249;
Best Local Similarity 85.1%; Pred. No. 1.3e-71;
Matches 205; Conservative 7; Mismatches 22; Indels 4; Gaps 2;
QY 1 MEMGRIHSELNRAPSDVKELALDNRSGNEKLEALTDPEFEFLSKINGLTSIDL 60
Db 1 MEMGRIHSELNRTPSDVKELVLDNRSGNEKLEGLTDFEFLFLSTINVLTSIANL 60
QY 61 PKLKLRLVSGGLEVLAEKCPNLTHLYLSGNKIKDLSLTIPLKOLENLSIDL 116
Db 61 PKLKLRLVSGGLEVLAEKCPNLTHLYLSGNKIKDLSLTIPLKOLENLSIDL 120


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; NUMBER OF SEQ ID NOS: 51
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 29
; LENGTH: 249
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-273-334-29

Query Match      81.6%; Score 992; DB 14; Length 249;
Best Local Similarity 85.7%; Pred. No. 6.9e-71;
Matches 204; Conservative 7; Mismatches 23; Indels 4; Gaps 2;

QY 1 MEMGRIHSELNRAPSDVKELALDNRSGKLEALTDPEPEFLSKINGLTSIDL 60
DB 1 MEMGRIHSELNRTPSDVKELVLSNRSGKLEGLTDPEPEFLSTINVLTSIANL 60
QY 61 PKL-KLRKLEL---RVSGGLEVLAEKCPNLTHLYLSGNKIKDLSSTIEPLKQLENLKSIDL 116
DB 61 PKLNLKLELSNDRSVSGGLEVLAEKCPNLTHLNSGNKIKDLSSTIEPLKQLENLKSIDL 120
QY 117 FNCVETNLNDYGENVFKLLQLTYLDSYWDHKEAPYSIDIEHVEGLDDEEGEHEEYD 176
DB 121 FNCVETNLNDYRENVPKLLPQTYLDGYDRDDKEAPSDAEGYVEGLDDEEDED 180
QY 177 EDAQVVEDEGEDEEEDSVSGDEDEEGYNDGEVDGDEDEBELGEERGGQK 234
DB 181 EDAQVVEDEDEDEEEDSVSGDEDEEGYNDGEVDGDEDEBELGEERGGQK 238

RESULT 11
US-10-273-334-10
; Sequence 10, Application US/10273334
; Publication No. US20030129631A1
; GENERAL INFORMATION:
; APPLICANT: Pasternack, Gary R.
; APPLICANT: Kocheavar, Gerald J.
; APPLICANT: Brody, Jonathan R.
; APPLICANT: Kodkol, Shrihari S.
; TITLE OF INVENTION: GENE FAMILY WITH TRANSFORMATION MODULATING ACTIVITY
; FILE REFERENCE: 031787.0076
; CURRENT APPLICATION NUMBER: US/10/273,334
; PRIOR FILING DATE: 2002-10-18
; PRIOR APPLICATION NUMBER: US/09/591,500
; PRIOR FILING DATE: 2000-12-06
; PRIOR APPLICATION NUMBER: PCT/US98/26433
; PRIOR FILING DATE: 1998-12-11
; PRIOR FILING DATE: 1997-12-11
; NUMBER OF SEQ ID NOS: 51
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 10
; LENGTH: 249
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-273-334-10

Query Match      80.1%; Score 974; DB 14; Length 249;
Best Local Similarity 84.5%; Pred. No. 1.8e-69;
Matches 201; Conservative 7; Mismatches 26; Indels 4; Gaps 2;

QY 1 MEMGRIHSELNRAPSDVKELALDNRSGKLEALTDPEPEFLSKINGLTSIDL 60
DB 1 MEMGRIHSELNRTPSDVKELVLSNRSGKLEGLTDPEPEFLSTINVLTSIANL 60
QY 61 PKL-KLRKLEL---RVSGGLEVLAEKCPNLTHLYLSGNKIKDLSSTIEPLKQLENLKSIDL 116
DB 61 PKLNLKLELSNDRSVSGGLEVLAEKCPNLTHLNSGNKIKDLSSTIEPLKQLENLKSIDL 120
QY 117 FNCVETNLNDYGENVFKLLQLTYLDSYWDHKEAPYSIDIEHVEGLDDEEGEHEEYD 176
DB 121 SNCEVTNLNDYRENVPKLLPQTYLDGYDRDDKEAPSDAEGYVEGLDDEEDED 180
QY 177 EDAQVVEDEGEDEEEDSVSGDEDEEGYNDGEVDGDEDEBELGEERGGQK 234

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DB 181 EDAQVVEDEDEDEEEDSVSGDEDEEGYNDGEVDGDEDEBELGEERGGQK 238

RESULT 12
US-10-273-334-12
; Sequence 12, Application US/10273334
; Publication No. US20030129631A1
; GENERAL INFORMATION:
; APPLICANT: Pasternack, Gary R.
; APPLICANT: Kocheavar, Gerald J.
; APPLICANT: Brody, Jonathan R.
; APPLICANT: Kodkol, Shrihari S.
; TITLE OF INVENTION: GENE FAMILY WITH TRANSFORMATION MODULATING ACTIVITY
; FILE REFERENCE: 031787.0076
; CURRENT APPLICATION NUMBER: US/10/273,334
; PRIOR FILING DATE: 2002-10-18
; PRIOR APPLICATION NUMBER: US/09/591,500
; PRIOR FILING DATE: 2000-12-06
; PRIOR APPLICATION NUMBER: PCT/US98/26433
; PRIOR FILING DATE: 1998-12-11
; PRIOR FILING DATE: 1997-12-11
; NUMBER OF SEQ ID NOS: 51
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 12
; LENGTH: 249
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-273-334-12

Query Match      77.3%; Score 940; DB 14; Length 249;
Best Local Similarity 81.5%; Pred. No. 9.2e-67;
Matches 194; Conservative 12; Mismatches 28; Indels 4; Gaps 2;

QY 1 MEMGRIHSELNRAPSDVKELALDNRSGKLEALTDPEPEFLSKINGLTSIDL 60
DB 1 MEMGRIHSELNRTPSDVKELVLSNRSGKLEGLTDPEPEFLSTINVLTSIANL 60
QY 61 PKL-KLRKLEL---RVSGGLEVLAEKCPNLTHLYLSGNKIKDLSSTIEPLKQLENLKSIDL 116
DB 61 PKLNLKLELSNDRSVSGGLEVLAEKCPNLTHLNSGNKIKDLSSTIEPLKQLENLKSIDL 120
QY 117 FNCVETNLNDYGENVFKLLQLTYLDSYWDHKEAPYSIDIEHVEGLDDEEGEHEEYD 176
DB 121 FNCVETNLNDYRENVPKLLPQTYLDGYDRDDKEAPSDAEGYVEGLDDEEDED 180
QY 177 EDAQVVEDEGEDEEEDSVSGDEDEEGYNDGEVDGDEDEBELGEERGGQK 234
DB 181 EDAQVVEDEDEDEEEDSVSGDEDEEGYNDGEVDGDEDEBELGEERGGQK 238

RESULT 13
US-10-213-700-3
; Sequence 3, Application US/10213700
; Publication No. US2003002332A1
; GENERAL INFORMATION:
; APPLICANT: Bandman, Olga
; APPLICANT: Goli, Surya K.
; TITLE OF INVENTION: NOVEL HUMAN PHOSPHATASE INHIBITOR PROTEIN
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: Fast-Seq for Windows Version 2.0

```

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/10/213,700
 FILING DATE: 06-Aug-2002
 CLASSIFICATION: <Unknown>
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US/08/766,738
 FILING DATE: <Unknown>
 ATTORNEY/AGENT INFORMATION:
 NAME: Billings, Lucy J.
 REGISTRATION NUMBER: 36,749
 REFERENCE/DOCKET NUMBER: PF-0177 US
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 415-855-0555
 TELEFAX: 415-845-4166
 TELEX: <Unknown>
 INFORMATION FOR SEQ ID NO: 3:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 251 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 IMMEDIATE SOURCE:
 LIBRARY: GenBank
 CLONE: 1498225
 SEQUENCE DESCRIPTION: SEQ ID NO: 3:
 US-10-213-700-3

Query Match 56.2%; Score 683.5; DB 14; Length 251;
 Best Local Similarity 61.0%; Pred. No. 2.1e-46;
 Matches 152; Conservative 34; Mismatches 40; Indels 23; Gaps 8;
 QY 1 MEMRRTHSELRNAPSVDVKELALDMSRNEGKLEALTDPEFELEFLSKINGLTSIDL 60
 DB 1 MEMKRTHLELRNTPAAVRRLVLDCKNSDKIEGLTAEPVNFLEFLSLINVLISVSNL 60
 QY 61 PKL-KLRKLEL---RVSGGLEVLAEKCPNLTLYLSGNKIKDLSITPLKQLENKLSLDL 116
 DB 61 PKLPKLELSENRIFGGLDMLAEKLPNLTLYLSGNKLDIISTLEPLKLECKLSLDL 120
 QY 117 FNCVETNLNDYGVNFKLLQLTLYLDSYNDHKEAPYSDIEDHVEGLDDBEEGEH-REY 175
 DB 121 FNCVETNLNDYGVNFKLLQLTLYLDSYNDHKEAPYSDIEDHVEGLDDBEEGEH-REY 178
 QY 176 DEDAQVWDEGEEREE---EEGGEEDVSG-----GDEDEEGVNDGVNDEDEDEBELG 225
 DB 179 DED-----DEGEEREEFDEEDDEVEDGEDEDEVESEEEFGLDDEDEDEDEE-B 232
 QY 226 EERGGKRRK 234
 DB 233 EGGKGEKRRK 241

RESULT 14
 US-10-213-700-1
 ; Sequence 1, Application US/10/213700
 ; Publication No. US2003002232A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Bandman, Olga
 ; Goli, Surya K.
 ; TITLE OF INVENTION: NOVEL HUMAN PHOSPHATASE INHIBITOR PROTEIN
 ; NUMBER OF SEQUENCES: 4
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Incyte Pharmaceuticals, Inc.
 ; STREET: 3174 Porter Drive
 ; CITY: Palo Alto
 ; STATE: CA
 ; COUNTRY: USA
 ; ZIP: 94304
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Diskette
 ; COMPUTER: IBM Compatible
 ; OPERATING SYSTEM: DOS
 ; SOFTWARE: FastSeq for Windows Version 2.0

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/10/213,700
 FILING DATE: 06-Aug-2002
 CLASSIFICATION: <Unknown>
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US/08/766,738
 FILING DATE: <Unknown>
 ATTORNEY/AGENT INFORMATION:
 NAME: Billings, Lucy J.
 REGISTRATION NUMBER: 36,749
 REFERENCE/DOCKET NUMBER: PF-0177 US
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 415-855-0555
 TELEFAX: 415-845-4166
 TELEX: <Unknown>
 INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 251 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 IMMEDIATE SOURCE:
 LIBRARY: Consensus
 CLONE: 1813361
 SEQUENCE DESCRIPTION: SEQ ID NO: 1:
 US-10-213-700-1

Query Match 55.6%; Score 676.5; DB 14; Length 251;
 Best Local Similarity 60.6%; Pred. No. 7.5e-46;
 Matches 151; Conservative 34; Mismatches 41; Indels 23; Gaps 8;
 QY 1 MEMRRTHSELRNAPSVDVKELALDMSRNEGKLEALTDPEFELEFLSKINGLTSIDL 60
 DB 1 MDKRRTHLELRNTPAAVRRLVLDCKNSDKIEGLTAEPVNFLEFLSLINVLISVSNL 60
 QY 61 PKL-KLRKLEL---RVSGGLEVLAEKCPNLTLYLSGNKIKDLSITPLKQLENKLSLDL 116
 DB 61 PKLPKLELSENRIFGGLDMLAEKLPNLTLYLSGNKLDIISTLEPLKLECKLSLDL 120
 QY 117 FNCVETNLNDYGVNFKLLQLTLYLDSYNDHKEAPYSDIEDHVEGLD-DEEGEHEEY 175
 DB 121 FNCVETNLNDYGVNFKLLQLTLYLDSYNDHKEAPYSDIEDHVEGLD-DEEGEHEEY 178
 QY 176 DEDAQVWDEGEEREE---EEGGEEDVSG-----GDEDEEGVNDGVNDEDEBELG 225
 DB 179 DED-----DEGEEREEFDEEDDEVEDGEDEDEVESEEEFGLDDEDEDEDEE-B 232
 QY 226 EERGGKRRK 234
 DB 233 EGGKGEKRRK 241

RESULT 15
 US-10-104-047-3158
 ; Sequence 3158, Application US/10104047
 ; Publication No. US20030236392A1
 ; GENERAL INFORMATION:
 ; APPLICANT: HELIX RESEARCH INSTITUTE
 ; TITLE OF INVENTION: No. US20030236392A1 full length cdna
 ; FILE REFERENCE: H1-A0105
 ; CURRENT APPLICATION NUMBER: US/10/104,047
 ; CURRENT FILING DATE: 2002-03-25
 ; PRIOR APPLICATION NUMBER:
 ; PRIOR FILING DATE:
 ; NUMBER OF SEQ ID NOS: 4096
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 3158
 ; LENGTH: 268
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-10-104-047-3158
 Query Match 50.8%; Score 618; DB 15; Length 268;

Best Local Similarity 54.2%; Pred. No. 3.5e-41;
Matches 141; Conservative 37; Mismatches 52; Indels 30; Gaps 7;

| | | | |
|----|-----|---|-----|
| Qy | 1 | MEMGRIRHSELNRAPSDVKELALDNRSGNEGKLEALTFDEFEELEFELSKINGLTSISDL | 60 |
| Db | 1 | MEMKKINLELRNRPSEEVTELVLDNCLVNGEIEGNDTFKELEFELSMANVELSSLARL | 60 |
| Qy | 61 | PKL-KLRKLELR---VSGGLEVLAEKCPNLTHTYLSGNKIKOLSTTIEPLKQLENKSLDL | 116 |
| Db | 61 | PSLNLKRLKLELSDNIIISGGLEVLAEKCPNLTHTYLSGNKIKOLSTTVEALQNLKQLKSLDL | 120 |
| Qy | 117 | FNCEVTNLNDYGNVFKLLQLTLDSYWDHKEAPVSDIEDHVEG-LDDDEEGEHE--- | 172 |
| Db | 121 | FNCEITNLDEYRESIFELIQQIYTLQGFQDNEAPDSREDEDEDEDEDEDEEENEAGP | 180 |
| Qy | 173 | -EYDEDAQVVEDEGEHEEEEGEEEDVSG-----GDEE-----DEEGYNDGE | 214 |
| Db | 181 | PEGYEEE---EEEEEEDEDEDEDEAGSELGEHEEVGLSYLMKERTIQDEEDDDDYV | 236 |
| Qy | 215 | VDGSEDEEELGEEERGQKRK | 234 |
| Db | 237 | EGEHEEEEGGIRGEKRK | 256 |

Search completed: June 24, 2004, 11:03:14
Job time : 38.7888 secs